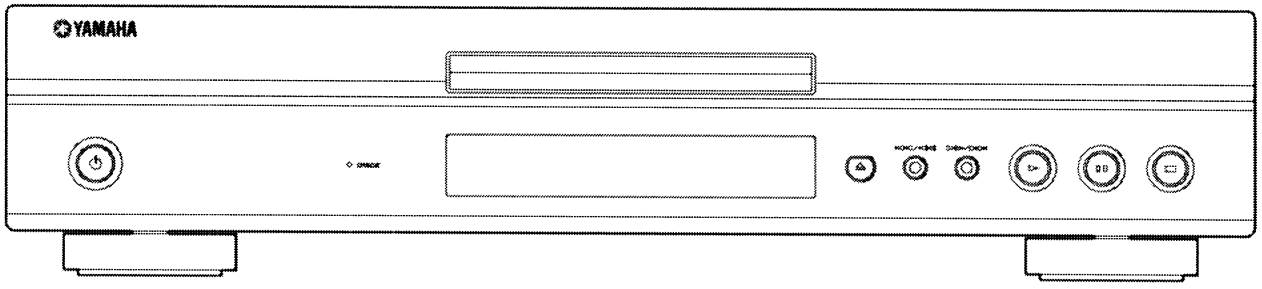
YAMAHA

UP

BLU-RAY DISC PLAYER
LECTEUR DE BLU-RAY DISC

BD-S1065

OWNER'S MANUAL
MODE D'EMPLOI
MANUAL DE INSTRUCCIONES



IMPORTANT SAFETY INSTRUCTIONS

Read these operating instructions carefully before using the unit. Follow the safety instructions on the unit and the applicable safety instructions listed below. Keep these operating instructions handy for future reference.

1 Read these instructions.
2 Keep these instructions.
3 Heed all warnings.
4 Follow all instructions.
5 Do not use this apparatus near water.
6 Clean only with dry cloth.
7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11 Only use attachments/accessories specified by the manufacturer.
12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13 Unplug this apparatus during lightning storms or when unused for long periods of time.
14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING:
TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE,

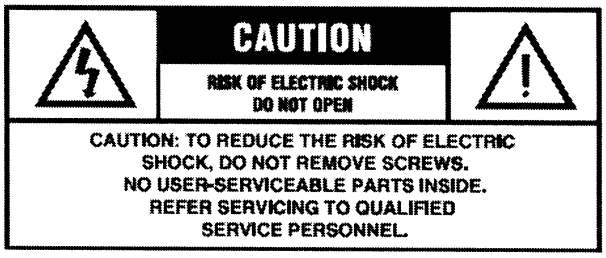
- **DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.**
- **USE ONLY THE RECOMMENDED ACCESSORIES.**
- **DO NOT REMOVE THE COVER (OR BACK); THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**

CAUTION!
DO NOT INSTALL OR PLACE THIS UNIT IN A BOOKCASE, BUILT-IN CABINET OR IN ANOTHER CONFINED SPACE.
ENSURE THE UNIT IS WELL VENTILATED. TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD DUE TO OVERHEATING, ENSURE THAT CURTAINS AND ANY OTHER MATERIALS DO NOT OBSTRUCT THE VENTILATION VENTS.

CAUTION!
THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF.
REFER SERVICING TO QUALIFIED PERSONNEL.

CAUTION
Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

The socket outlet shall be installed near the equipment and easily accessible. The mains plug of the power supply cord shall remain readily operable.
To completely disconnect this apparatus from the AC Mains, disconnect the power supply cord plug from AC receptacle.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE SCREWS.
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

FCC INFORMATION (for US customers)

1 **IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!**
This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

2 **IMPORTANT**: When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product MUST be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

3 **NOTE**: This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices.

Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Electronics Corp., U.S.A. 6660 Orangethorpe Ave., Buena Park, CA 90620.

The above statements apply ONLY to those products distributed by Yamaha Corporation of America or its subsidiaries.

COMPLIANCE INFORMATION STATEMENT (DECLARATION OF CONFORMITY PROCEDURE)

Responsible Party:	Yamaha Electronics Corporation, U.S.A.
Address:	6660 Orangethorpe Avenue Buena Park, CA 90620
Telephone:	714-522-9105 1-800-492-6242 (toll free)
Fax:	714-228-3390
Type of Equipment:	Blu-ray Disc Player
Model Name:	BD-S1065

- This device complies with Part 15 of the FCC Rules.
- Operation is subject to the following conditions:
  - This device may not cause harmful interference.
  - This device must accept any interference received including interference that may cause undesired operation.

See the "Troubleshooting" section at the end of this manual if interference to radio reception is suspected.

We Want You Listening For A Lifetime

Yamaha and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion - and, most importantly, without affecting your sensitive hearing.
Since hearing damage from loud sounds is often undetectable until it is too late, Yamaha and the Electronic Industries Association's Consumer Electronics Group recommend you to avoid prolonged exposure from excessive volume levels.

IMPORTANT
Please record the serial number of this unit in the space below.
MODEL:
Serial No.:
The serial number is located on the rear of the unit.
Retain this Owner's Manual in a safe place for future reference.

CAUTION: READ THIS BEFORE OPERATING YOUR UNIT.

1 To assure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.

2 Install this sound system in a well ventilated, cool, dry, clean place-away from direct sunlight, heat sources, vibration, dust, moisture, and/or cold. For proper ventilation, allow the following minimum clearances.
Top : 10 cm (3-7/8 in)
Rear: 10 cm (3-7/8 in)
Side: 10 cm (3-7/8 in)

3 Locate this unit away from other electrical appliances, motors, or transformers to avoid humming sounds.

4 Do not expose this unit to sudden temperature changes from cold to hot, and do not locate this unit in an environment with high humidity (i.e. a room with a humidifier) to prevent condensation inside this unit, which may cause an electrical shock, fire, damage to this unit, and/or personal injury.

5 Avoid installing this unit where foreign object may fall onto this unit and/or this unit may be exposed to liquid dripping or splashing. On the top of this unit, do not place:
- Other components, as they may cause damage and/or discoloration on the surface of this unit.
- Burning objects (i.e. candles), as they may cause fire, damage to this unit, and/or personal injury.
- Containers with liquid in them, as they may fall and liquid may cause electrical shock to the user and/or damage to this unit.

6 Do not cover this unit with a newspaper, tablecloth, curtain, etc. in order not to obstruct heat radiation. If the temperature inside this unit rises, it may cause fire, damage to this unit, and/or personal injury.

7 Do not plug in this unit to a wall outlet until all connections are complete.

8 Do not operate this unit upside-down. It may overheat, possibly causing damage.

9 Do not use force on switches, knobs and/or cords.

10 When disconnecting the power cord from the wall outlet, grasp the plug; do not pull the cord.

11 Do not clean this unit with chemical solvents; this might damage the finish. Use a clean, dry cloth.

12 To prevent damage by lightning, keep the power cord disconnected from a wall outlet or this unit during a lightning storm.

13 Do not attempt to modify or fix this unit. Contact qualified Yamaha service personnel when any service is needed. The cabinet should never be opened for any reasons.

14 When not planning to use this unit for long periods of time (i.e. vacation), disconnect the AC power plug from the wall outlet.

15 Be sure to read the "Troubleshooting" section on common operating errors before concluding that this unit is faulty.

16 Before moving this unit, press ⏻ to set this unit to the standby mode, and disconnect the AC power plug from the wall outlet.

17 Condensation will form when the surrounding temperature changes suddenly. Disconnect the power cable from the outlet, then leave this unit alone.

18 When using this unit for a long time, this unit may become warm. Turn the power off, then leave this unit alone for cooling.

19 Install this unit near the AC outlet and where the AC power plug can be reached easily.

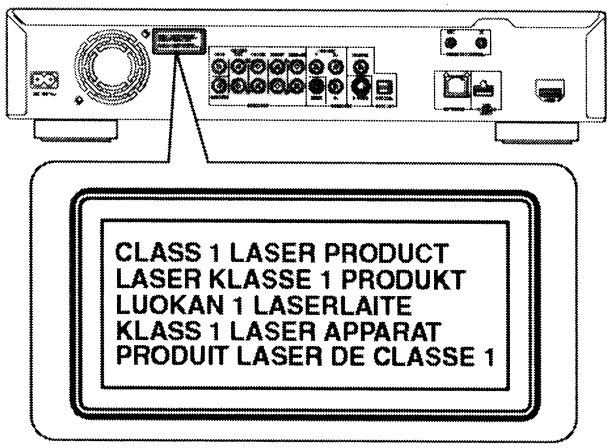
20 The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

This unit is not disconnected from the AC power source as long as it is connected to the wall outlet, even if this unit itself is turned off by ⏻. This state is called the standby mode. In this state, this unit is designed to consume a very small quantity of power.

WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

The laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

FOR CANADIAN CUSTOMERS
To prevent electric shock, match wide blade of plug to wide slot and fully insert.
This Class B digital apparatus complies with Canadian ICES-003.



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(at the end of this manual)

Information about software i

About Discs

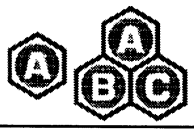
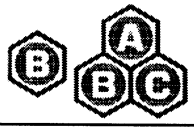
■ Types of Discs that Can Be Used with This Player

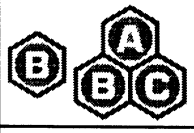
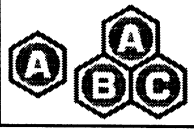
– The following discs can be played back in this Player. Do not use an 8 cm (3") to 12 cm (5") adapter.
– Use discs that conform to compatible standards as indicated by the presence of official logos on the disc label. Playback of discs not complying with these standards is not guaranteed. In addition, the image quality or sound quality is not guaranteed even if the discs can be played back.

Disc Type	Recording Format	Contents	Disc Size
BD video	--	Audio + Video (Movie)	12 cm (5")
BD-RE DL BD-R DL	BDMV format		
DVD Video	Video format	Audio + Video (Movie)	12 cm (5") 8 cm (3")
DVD+RW/ DVD+R DVD+R DL DVD-R DL DVD-RW/ DVD-R	Video/VR/ AVCHD format (finalized disc only)	Audio + Video (Movie)	12 cm (5") 8 cm (3")
Audio CD*1	Audio CD (CD-DA)	Audio	12 cm (5") 8 cm (3")
CD-RW/CD-R	Audio CD (CD-DA)	Audio	
	JPEG*2	Still image (JPEG file)	

*1 This Player has been designed on the premise of playing back Audio CDs that comply with CD (Compact Disc) standards. CDs containing a signal for the purpose of protecting copyrights (copy control signal) may not be able to be played back with this Player.

*2 Refer to "About the JPEG file format" on page 3.

Region management information		
Model	BD-Video	DVD-Video
U.S.A and Canada	Region code "A" or "ALL"	Region number "1" or "ALL"
South America	Region code "A" or "ALL" 	Region number "4" or "ALL"
Europe	Region code "B" or "ALL" 	Region number "2" or "ALL"

Region management information		
Model	BD-Video	DVD-Video
Australia	Region code "B" or "ALL" 	Region number "4" or "ALL"
Russia	Region code "C" or "ALL"	Region number "5" or "ALL"
Asia	Region code "A" or "ALL" 	Region number "3" or "ALL"

– BD/DVD video players and discs have region codes, which dictate the regions in which a disc can be played. For the region codes, refer to "Region management information" (p. 2)
– BD/DVD Video operations and functions may be different from the explanations in this manual and some operations may be prohibited due to disc manufacturer's settings.
– If a menu screen or operating instructions are displayed during playback of a disc, follow the operating procedure displayed.
– The audio component of a DVD video recorded at 96 kHz (Linear PCM) will be output as 48 kHz audio during playback.

Notes

– Playback for some of the discs in the left side column tables may not be possible depending on the disc.
– "Finalize" refers to a recorder processing a recorded disc so that it will play in other DVD players/ recorders as well as this Player. Only finalized DVD discs will play back in this Player. (This Player does not have a function to finalize discs.)

■ Discs that Cannot Be Used with This Player

The following discs cannot be played back or will not play back properly on this Player. If such a disc is mistakenly played back, speaker damage may occur.

CDG, Video CD, Photo CD, CD-ROM, CD-TEXT, SVCD, SA-CD, PD, CDV, CVD, DVD-RAM, DVD-Audio, BD-RE with the cartridge, CD-MP3, CD-WMA

Discs with unusual shapes cannot be played.

– Discs with unusual shapes (heart-shaped or hexagonal discs, etc.) cannot be used. The use of such discs will cause malfunction.

The following BD/DVD video discs cannot be played.

– Discs not match the region code/number of this Player ("Region management information", p. 2).
– Discs produced illegally.
– Discs recorded for commercial use.

About the JPEG file format

JPEG is a type of file format for storing still-image files (photos, illustrations, etc.). The Player lets you play JPEG format still-image files.

File formats that are not compatible.

– Still images in formats other than JPEG (such as TIFF) cannot be played.
– There may be some files that cannot be played even if they are in JPEG format.
– Progressive JPEG files cannot be played.
– Moving image files and audio files as well as Motion JPEG format files cannot be played, even though they are JPEG files.

Other files that cannot be played back.

– You may not be able to play some still images which you have created, touched up, copied or otherwise edited on your computer.

You may experience one or more of the following symptoms when playing files.

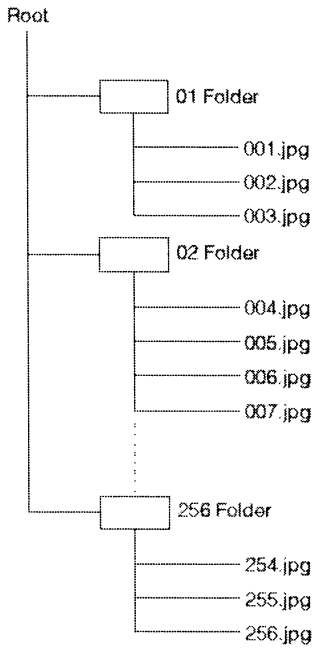
– It may take some time to play files depending on the number of folders, number of files and volume of data involved.
– EXIF information will not be displayed. EXIF stands for Exchangeable Image File Format, and is a standard for storing interchange information in image files, especially those using JPEG compression. (Refer to http://exif.org for more information.)

When using the unit to play a CD-RW/R disc with still images stored (recorded).

– With CD-RW/R discs on which still images are mixed in with music or movies, you will be able to play only the still images. You may not be able to play some of these discs at all.
– Multi-session discs cannot be played.
– You may not be able to play some still images you have processed (rotated or saved by overwriting other images) using image processing software or some still images you have imported from the Internet or e-mail.
– The discs which this Player can play back (recognize) are limited to the following properties:
Contains EXIF format files
Picture resolution: Between 32x32 and 7680x4320 pixels
Maximum number of folders: 256
Maximum number of files: 256 per folder
File size: 20MB or less

Structure of still images (JPEG) folders

– You can play still images (JPEG) with this unit by making folder on disc as shown below. Images situated on the root directly cannot be played back.



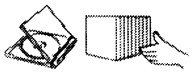
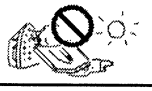
English

■ Disc Precautions

Be Careful of Scratches and Dust

– BD, DVD and CD discs are sensitive to dust, fingerprints and especially scratches. A scratched disc may not be able to be played back. Handle discs with care and store them in a safe place.

Proper Disc Storage

Place the disc in the center of the disc case and store the case and disc upright.	
Avoid storing discs in locations subject to direct sunlight, close to heating appliances or in locations of high humidity.	
Do not drop discs or subject them to strong vibrations or impacts.	
Avoid storing discs in locations where there are large amounts of dust or moisture.	

Handling Precautions

– If the surface is soiled, wipe gently with a soft, damp (water only) cloth. When wiping discs, always move the cloth from the center hole toward the outer edge.

– Do not use record cleaning sprays, benzene, thinner, static electricity prevention liquids or any other solvent.

– Do not touch the surface.
– Do not stick paper or adhesive labels to the disc.
– If the playing surface of a disc is soiled or scratched, the Player may decide that the disc is incompatible and eject the disc tray, or it may fail to play the disc correctly. Wipe any dirt off the playing surface with a soft cloth.

Cleaning the Pick Up Lens

– Never use commercially available cleaning discs. The use of these discs can damage the lens.
– Request the nearest service center approved by Yamaha to clean the lens.

Warnings about dew formation

– Condensation may form on pick up lens or disc in the following conditions:
  – Immediately after a heater has been turned on.
  – In a steamy or very humid room.
  – When the Player is suddenly moved from a cold environment to a warm one.

When condensation forms:

– It becomes difficult for the Player to read the signals on the disc and prevents the Player from operating properly.

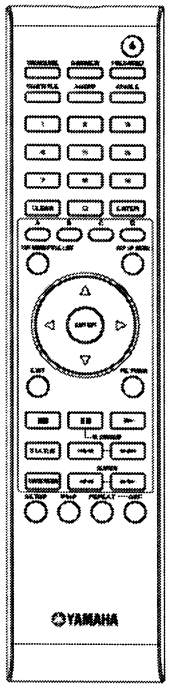
To remove condensation:

– Take out the disc and leave the Player with the power off until the condensation disappears. Using the Player when there is condensation may cause malfunction.

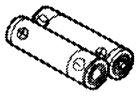
■ Supplied accessories

Make sure the following accessories are provided with the product.

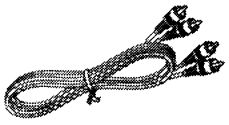
Remote control



Batteries (x2) (AAA, R03, UM-4)

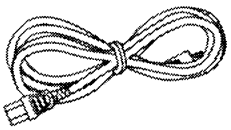


Audio pin cable



Video pin cable

Power cable



■ The Icons Used in This Operation Manual

BD-V	Indicates the functions that can be performed for BD Video discs.
BD-RE	Indicates the functions that can be performed for BD-RE discs.
BD-R	Indicates the functions that can be performed for BD-R discs.
DVD-V	Indicates the functions that can be performed for DVD Video discs.
DVD-RW	Indicates the functions that can be performed for DVD-RW discs.
DVD-R	Indicates the functions that can be performed for DVD-R discs.
AUDIO CD	Indicates the functions that can be performed for Audio CDs.
CD-R JPEG	Indicates the functions that can be performed for CD-R discs in JPEG format.
CD-RW JPEG	Indicates the functions that can be performed for CD-RW discs in JPEG format.

■ Copyright

- Audio-visual material may consist of copyrighted works which must not be recorded without the authority of the owner of the copyright. Refer to relevant laws in your country.
- This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

U.S. Patent Nos. 6,836,549; 6,381,747; 7,050,698; 6,516,132; and 5,583,936

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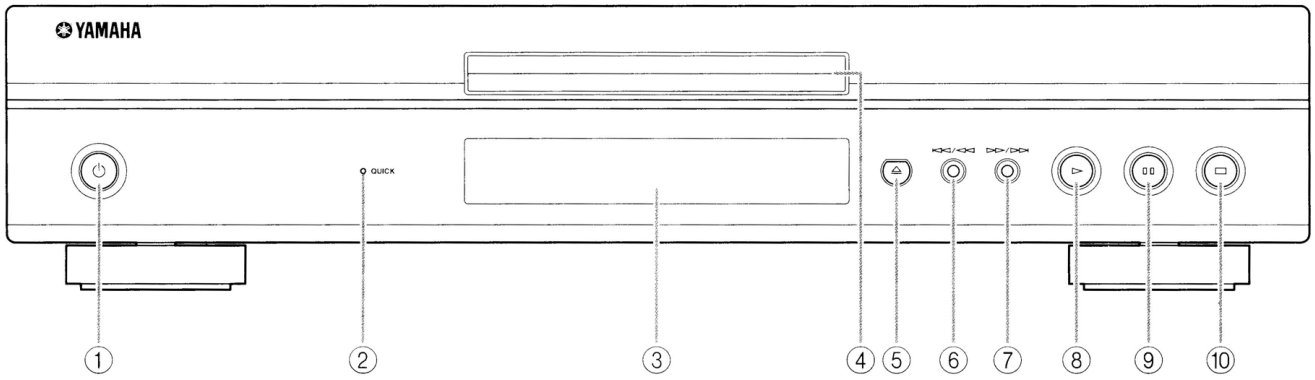
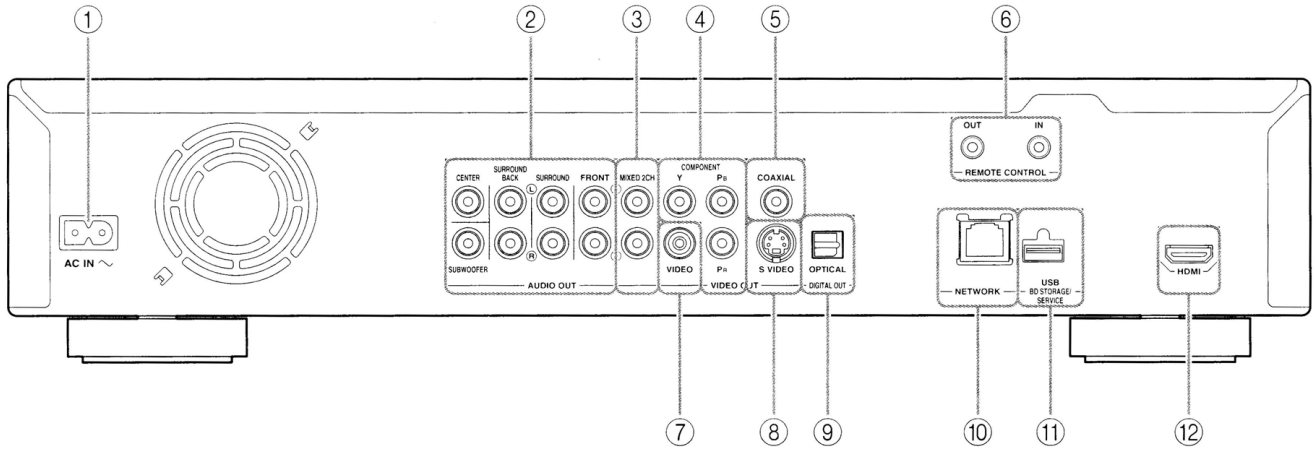
Controls and Functions

■ Front panel



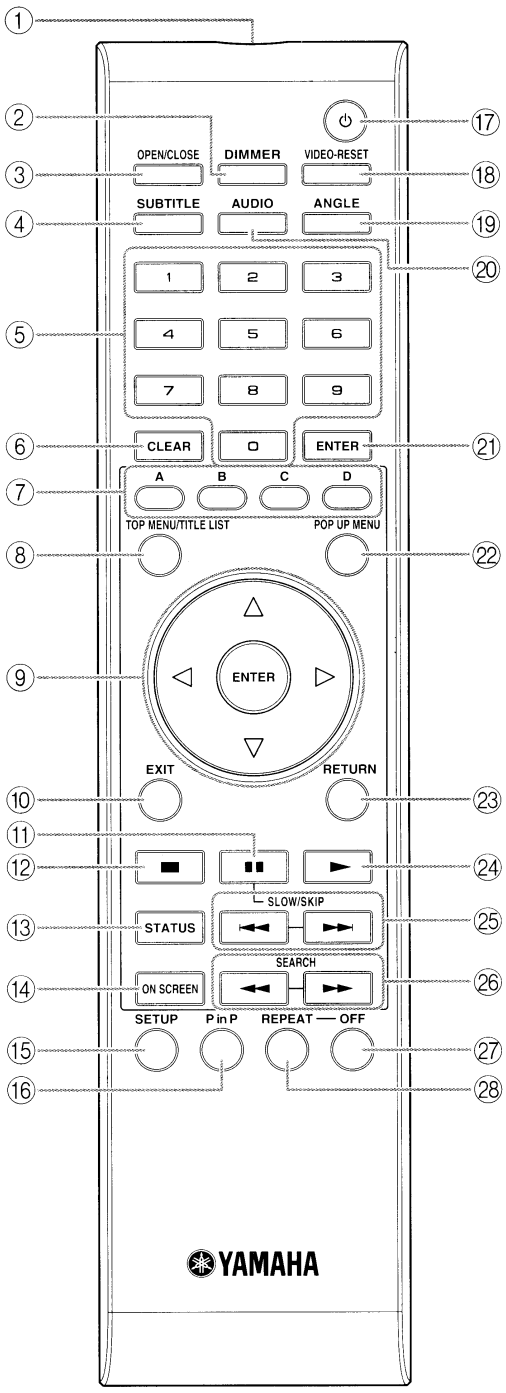
① ⏻ (Power) (p. 20)
② QUICK indicator (p. 33)
③ Front panel display (p. 16)
④ Disc tray (p. 20)
⑤ ⏏ (Eject) (p. 20)
⑥ ⏮/◀◀ (Search backward/Skip backward) (p. 20)
⑦ ▶▶/⏭ (Search forward/Skip forward) (p. 20)
⑧ ▶ (Play) (p. 20)
⑨ ❚❚ (Pause) (p. 20)
⑩ ■ (Stop) (p. 20)

■ Rear panel



① AC IN (p. 15)
② AUDIO OUT (8ch discrete) (p. 13)
③ AUDIO OUT (MIXED 2CH) (p. 13)
④ COMPONENT (p. 10)
⑤ DIGITAL OUT (COAXIAL) (p. 12)
⑥ REMOTE CONTROL (IN/OUT) (p. 15)
⑦ VIDEO (p. 11)
⑧ S VIDEO (p. 11)
⑨ DIGITAL OUT (OPTICAL) (p. 12)
⑩ NETWORK (p. 14)
⑪ USB BD STORAGE/SERVICE (p. 14)
⑫ HDMI (p. 9)

■ Remote Control



① **Infrared signal transmitter (p. 16)**
② **DIMMER (p. 16)**
③ **OPEN/CLOSE (p. 20)**
④ **SUBTITLE (p. 26)**
⑤ **Number buttons (p. 26)**
⑥ **CLEAR (p. 29)**
⑦ **A, B, C, D (p. 23, 24, 28, 35)**
⑧ **TOP MENU/TITLE LIST (p. 22, 23)**
⑨ **Cursor buttons (△ / ▽ / ◁ / ▷), ENTER (p. 17, 30)**
⑩ **EXIT (p. 28, 29, 30)**
⑪ **▮▮ (Pause) (p. 20)**
⑫ **■ (Stop) (p. 20)**
⑬ **STATUS (p. 21, 27)**
⑭ **ON SCREEN (p. 26)**
⑮ **SETUP (p. 17, 28, 29)**
⑯ **P in P (p. 25)**
⑰ **⏻ (Power) (p. 16)**
⑱ **VIDEO-RESET (p. 30, 31)**
⑲ **ANGLE (p. 26)**
⑳ **AUDIO (p. 26)**
㉑ **ENTER (p. 30, 37)**
㉒ **POP UP MENU (p. 22)**
㉓ **RETURN (p. 21, 24, 26, 28, 29)**
㉔ **► (Play) (p. 20)**
㉕ **⏮ / ⏭ (SLOW/SKIP) (p. 20)**
㉖ **◄◄ / ►► (SEARCH) (p. 20)**
㉗ **OFF (p. 21)**
㉘ **REPEAT (p. 21, 26)**

ID function

You can change the remote control ID to prevent unwanted operation of the other Yamaha player such as DVD player. If you have changed the remote control ID, make sure that you select the same ID for the main unit. The default setting is ID1.

① Remote control setting

To change the ID from ID1 to ID2, press and hold **A** and **2** simultaneously for 3 seconds.
To change the ID from ID2 to ID1, press and hold **A** and **1** simultaneously for 3 seconds.

② Main unit setting

Press and hold ⏮/◄◄ and ►►/⏭ on the front panel simultaneously for 2 seconds while no disc is inserted in this Player and the disc tray is closed (current ID is displayed). Keep pressing and holding the keys for another 2 seconds to change the ID between ID1 and ID2.

Note

– If the remote control is without batteries for a few minutes or if exhausted batteries remain in the remote control, the remote control ID is automatically set to ID1. If you want to use the remote control in ID2 setting, install new batteries and set the remote control ID again.

English

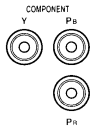
Introduction to Connections

This Player is equipped with the terminals/jacks listed below. Find the corresponding terminal/jack on your video/audio equipment. We recommend that you use the HDMI terminal which provides high quality digital audio and video on a single connection. If you use the other terminals/jacks, connect the video first. Then connect the audio.

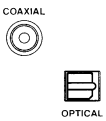
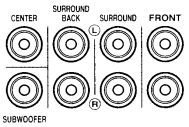
■ Video/audio terminal on this Player

	① HDMI terminal		Page 9

■ Video jacks on this Player (Connect ①, ②, or ③)

Higher Quality	① VIDEO OUT (COMPONENT) jacks		Page 10
	② VIDEO OUT (S VIDEO) jack		Page 11
Standard Quality	③ VIDEO OUT (VIDEO) jack		Page 11

■ Audio terminals/jacks on this Player (Connect ①, ②, or ③)

	① DIGITAL OUT (COAXIAL/ OPTICAL) jack/terminal		Page 12
	② AUDIO OUT (8ch discrete) jacks		Page 13
	③ AUDIO OUT (MIXED 2CH) jacks		Page 13

■ Broadband Internet connection

	NETWORK terminal		Page 14

■ USB device connection

	USB BD STORAGE/SERVICE terminal		Page 14

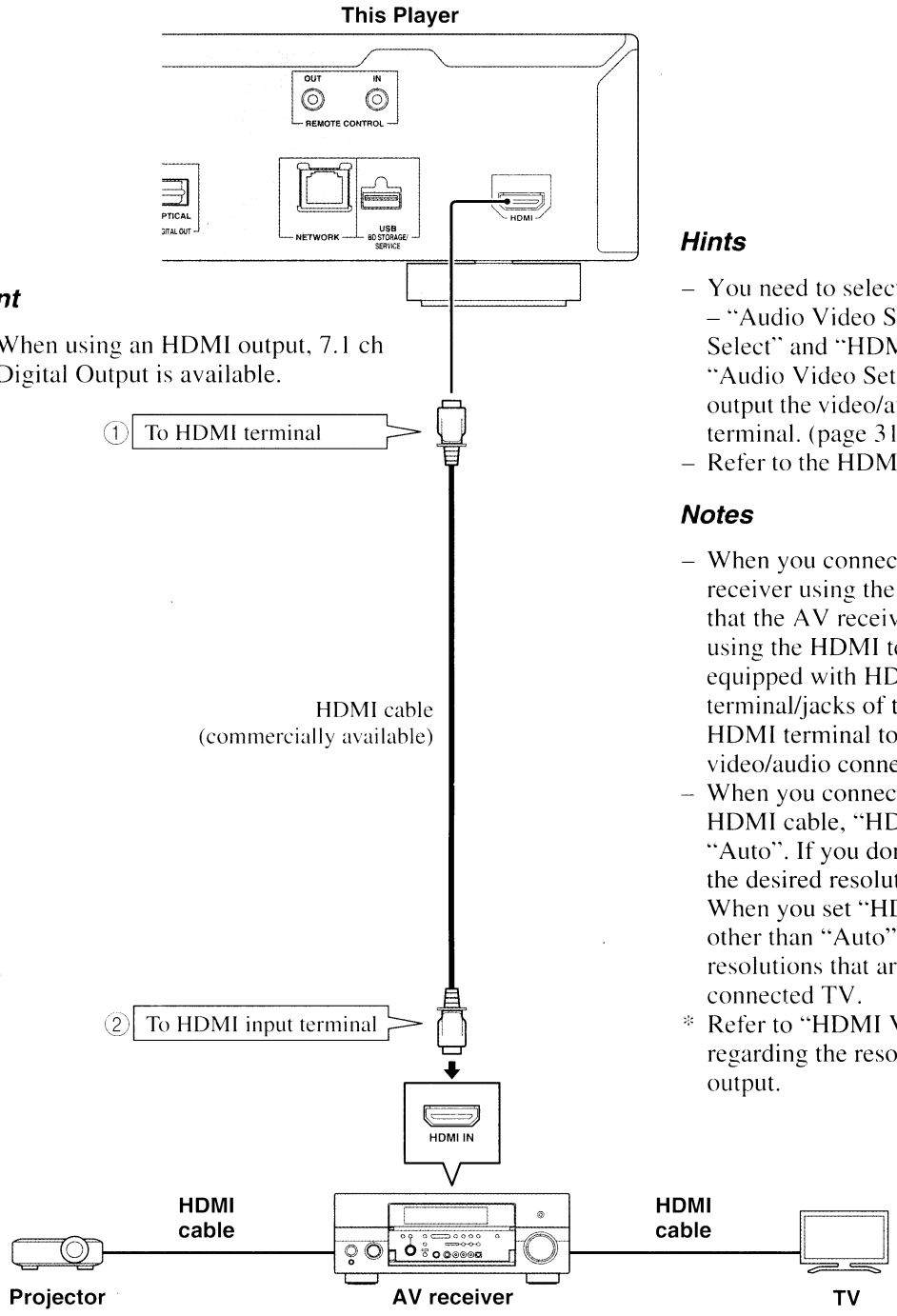
HDMI Connection

■ Connecting to the HDMI Terminal

- You can enjoy high quality digital picture and sound through the HDMI terminal.
- Firmly connect an HDMI cable (commercially available) to the HDMI terminals (① and ②).
- See page 38 for information on the audio output formats.
- Use HIGH SPEED HDMI cables that have the HDMI logo (as shown on the cover).

Caution!

Be sure to turn off this Player and the equipment before making any connections.



Hint

- When using an HDMI output, 7.1 ch Digital Output is available.

Hints

- You need to select the "HDMI" in "Settings" – "Audio Video Settings" – "Video Out Select" and "HDMI Output" in "Settings" - "Audio Video Settings" - "Audio Out" to output the video/audio signals from the HDMI terminal. (page 31)
- Refer to the HDMI control function. (Page 18)

Notes

- When you connect this Player to an AV receiver using the HDMI terminal, make sure that the AV receiver is connected to a TV using the HDMI terminal. If the TV is not equipped with HDMI terminal, connect the terminal/jacks of this Player other than the HDMI terminal to the AV receiver for the video/audio connections.
- When you connect the Player to a TV with an HDMI cable, "HDMI Video Out" is set to "Auto". If you don't get a stable image, select the desired resolution*.
  When you set "HDMI Video Out" to a setting other than "Auto", you can only select resolutions that are compatible with the connected TV.

* Refer to "HDMI Video Out" on page 31 regarding the resolutions of the HDMI video output.

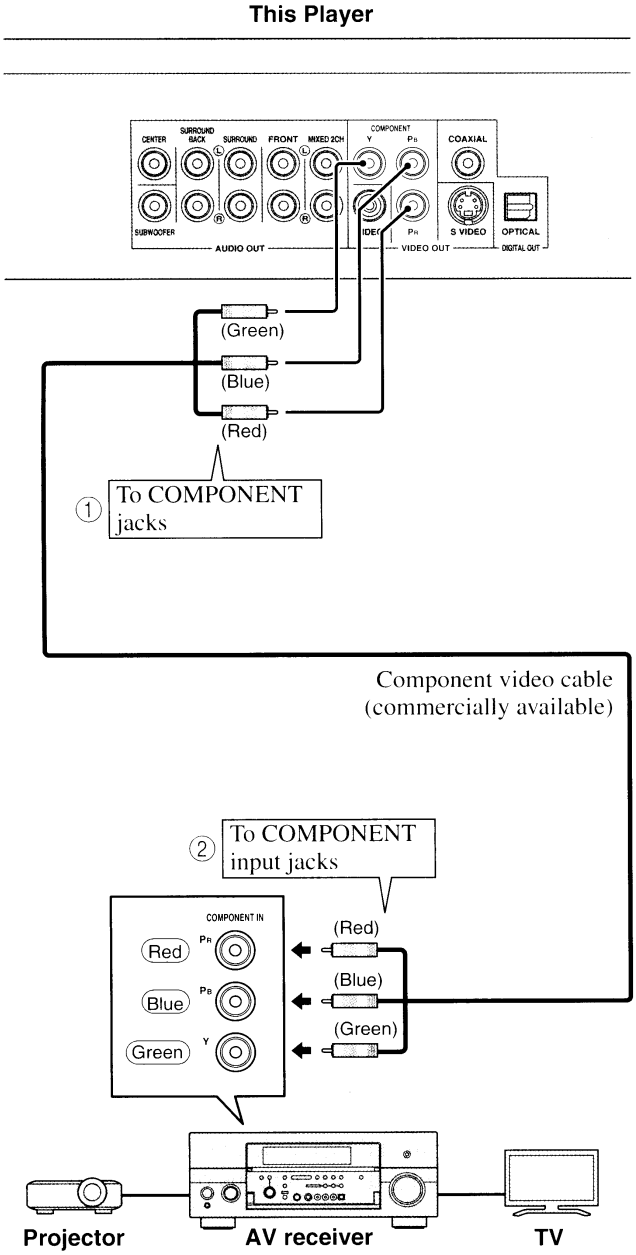
Video Connections

■ Connecting to the Component Jacks

– You can enjoy accurate color reproduction and high quality images through the component jacks.
– Firmly connect a component video cable (commercially available) to the component jacks (① and ②).

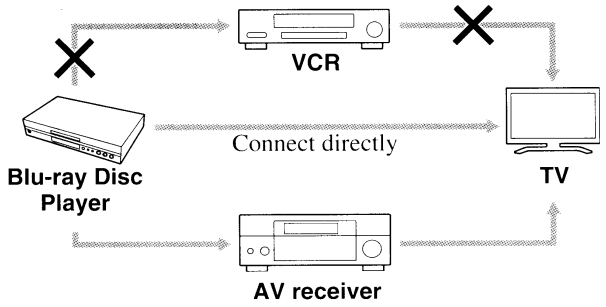
Caution!

Be sure to turn off this Player and the equipment before making any connections.



Notes

– You need to select "Component" in "Settings" - "Audio Video Settings" -"Video Out Select" to output the video signal from the component jacks. (See page 31.)
– When the priority video output is set to "HDMI" in "Video Out Select", the video resolution which is output from the COMPONENT jacks is the one set in "HDMI Video Out".
– When the output from the COMPONENT jacks is prioritized, set the priority video output to "Component".
– If you play back the image via VCR, the image may deteriorate due to the copy guard function.
– When you watch the program where copyright is protected, we recommend that the Blu-ray disc player be connected to LCD TV directly or via AV receiver.

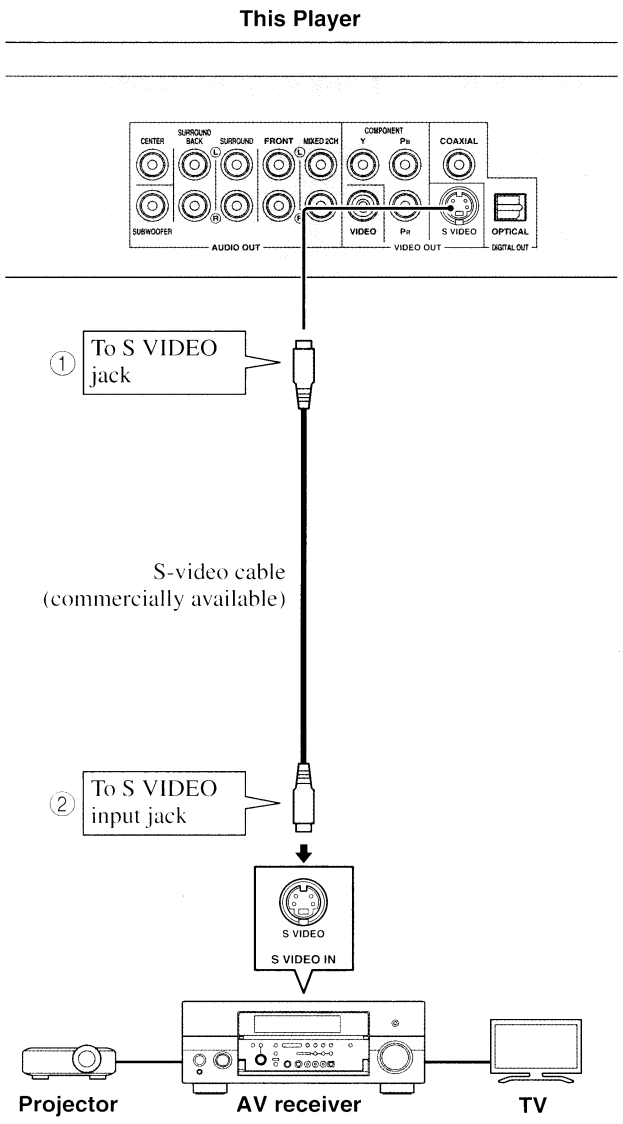


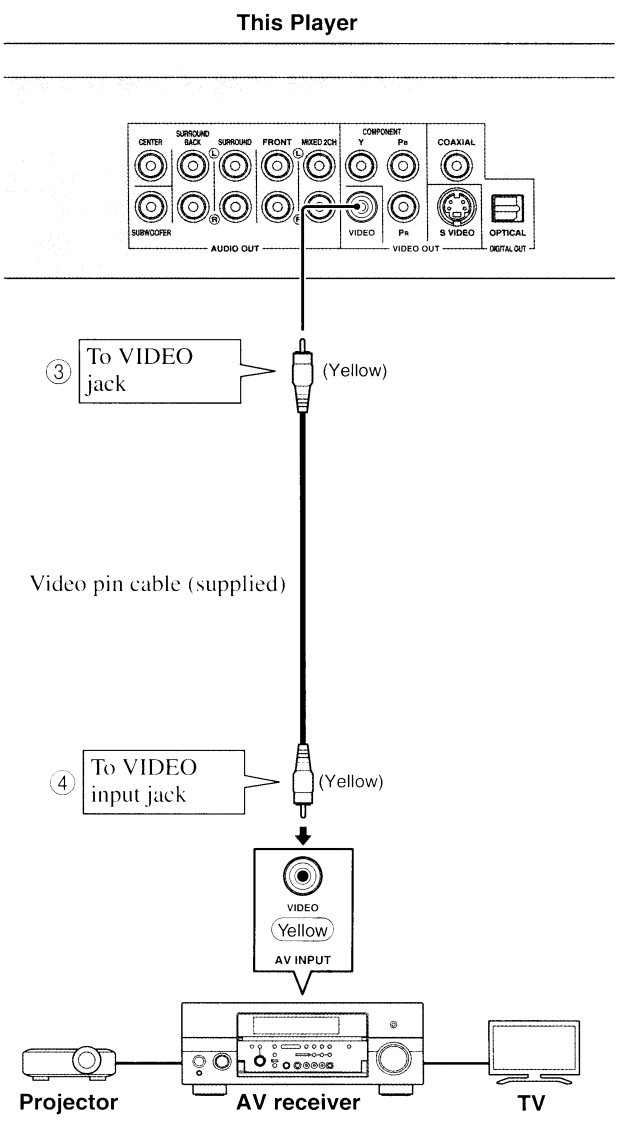
■ Connecting to the S Video or Video Jack

– Connect either the S-video jack or video jack.
– Firmly connect a S-video cable (commercially available) to the S-video jacks or a video pin cable (supplied) to the video jacks (① and ②, or ③ and ④).

Caution!

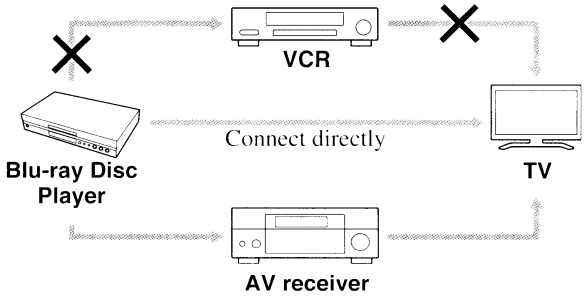
Be sure to turn off this Player and the equipment before making any connections.





Notes

– You need to select "Component" in "Settings" - "Audio Video Settings" -"Video Out Select" to output the video signal from the S-video/video jack. (See page 31.)
– If you play back the image via VCR, the image may deteriorate due to the copy guard function.
– When you watch the program where copyright is protected, we recommend that the Blu-ray disc player be connected to LCD TV directly or via AV receiver.



English

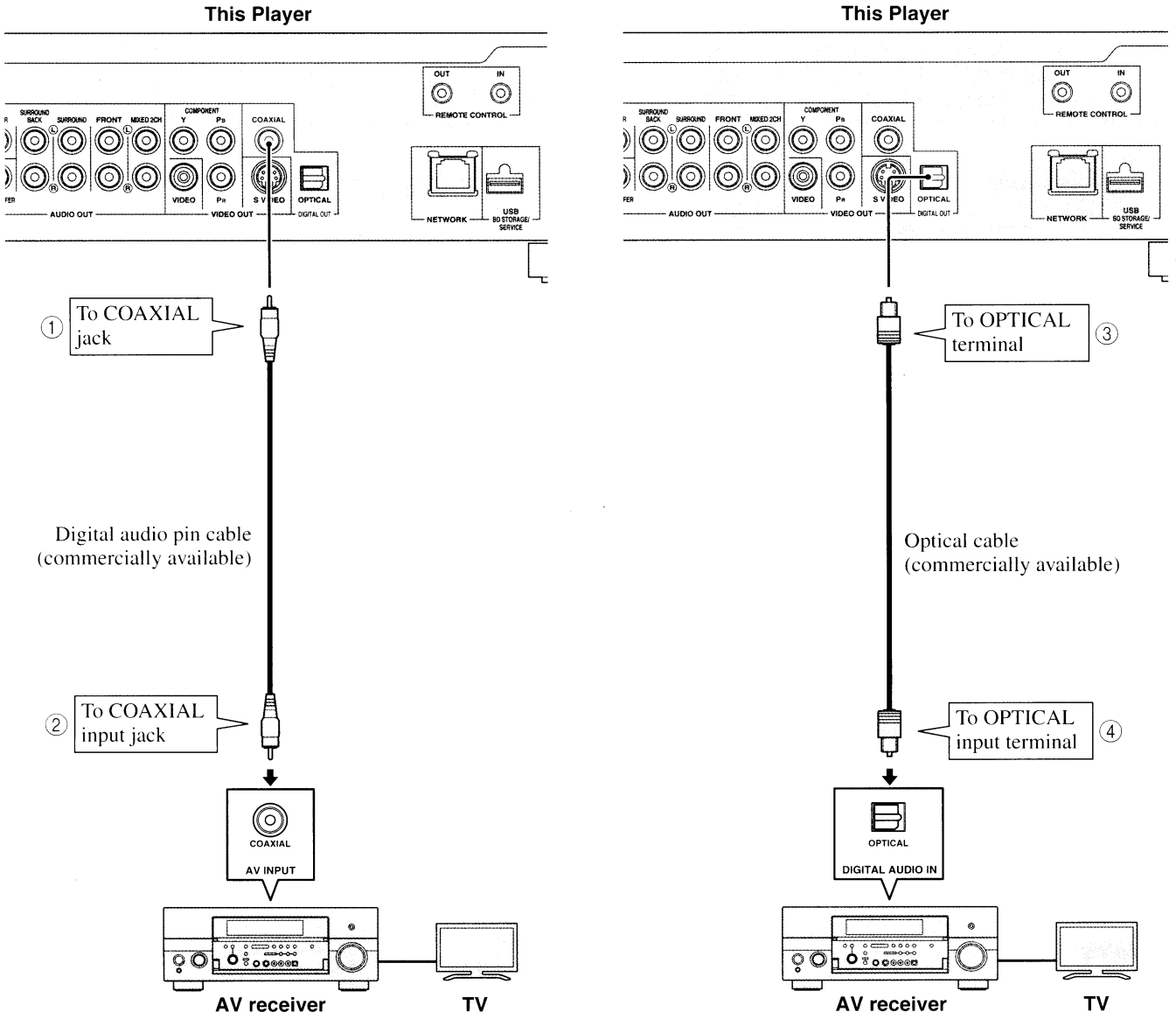
Audio Connections

■ Connecting to the Digital Audio Jack/Terminal

– You can connect audio equipment or the TV to the DIGITAL OUT Jack/terminal.
– Firmly connect a digital audio pin cable (commercially available) or optical cable (commercially available) to the coaxial digital audio jack or optical digital audio terminal (① and ②, or ③ and ④).
– See page 38 for information on the audio output formats.

Caution!

Be sure to turn off this Player and the equipment before making any connections.



Hints

– When using COAXIAL/OPTICAL output, 5.1 ch Digital Output is available. 7.1 ch Digital Output is not available.
– You need to select "Digital Output" in "Settings" - "Audio Video Settings" -"Audio Out" to output the audio signal from the coaxial or optical jack/terminal. (See page 31.)

Note

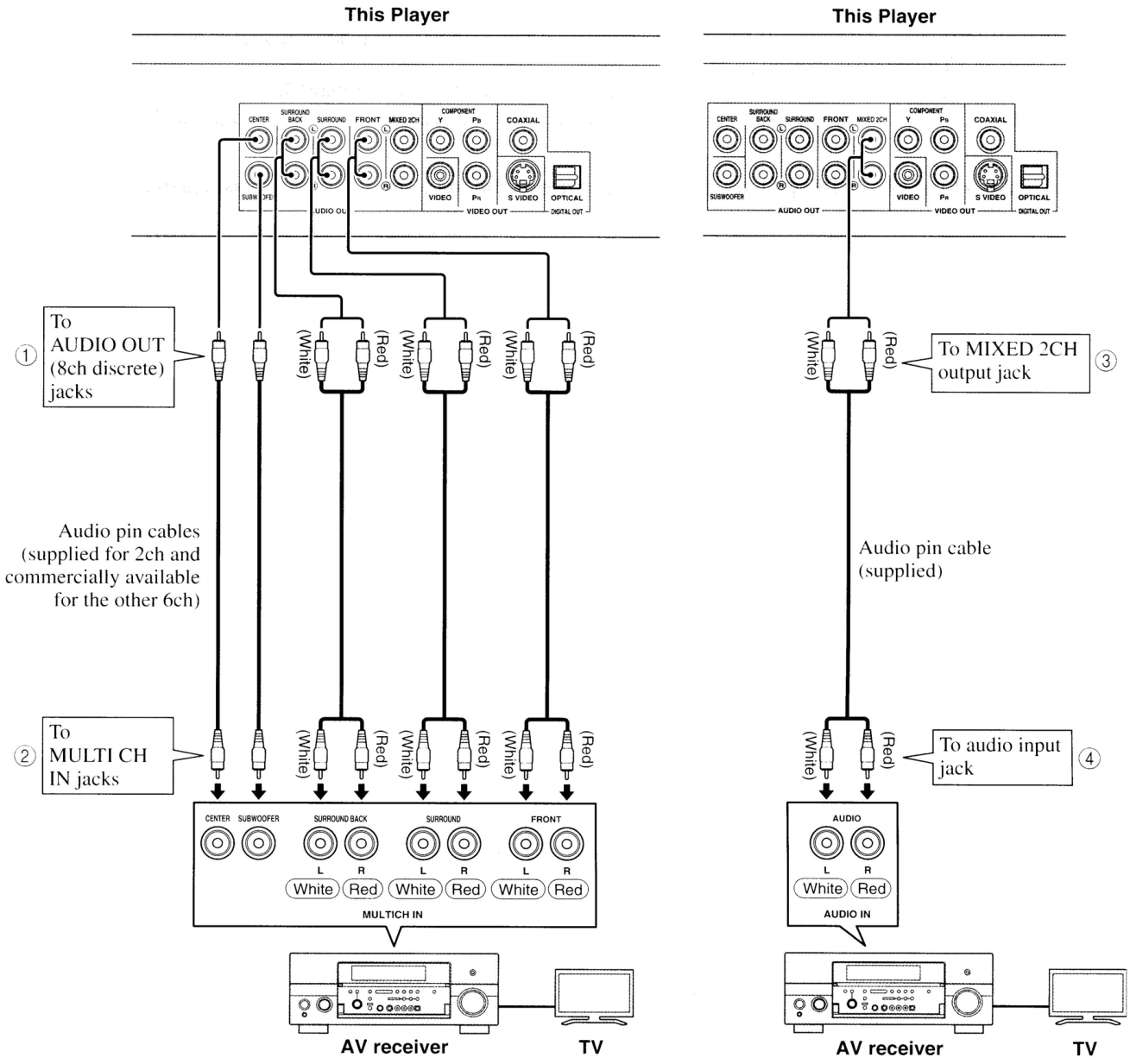
– 7.1 ch Audio is available via the HDMI terminal or the 8ch discrete audio jacks.

■ Connecting to the Audio Jacks

- You can connect audio equipment or the TV to the AUDIO OUT Jacks.
- Firmly connect an audio pin cable (supplied) or audio pin cables (supplied for 2ch and commercially available for the other 6ch) to the 2ch audio jacks or 8ch discrete audio jacks (① and ②, or ③ and ④).
- See page 38 for information on the audio output formats.

Caution!

Be sure to turn off this Player and the equipment before making any connections.



Hints

- You can connect a subwoofer to the SUBWOOFER jack directly. When you connect TV to this Player directly, connect an active subwoofer such as Yamaha Active Servo Processing Subwoofer System to this jack.
- You need to select "7.1ch Audio Output" in "Settings" - "Audio Video Settings" - "Audio Out" to output the audio signal from the 8ch discrete jacks. (See page 31.)
- You need to select "2ch Audio Output" in "Settings" - "Audio Video Settings" - "Audio Out" to output the audio signal from the 2ch audio jacks. (See page 31.)

English

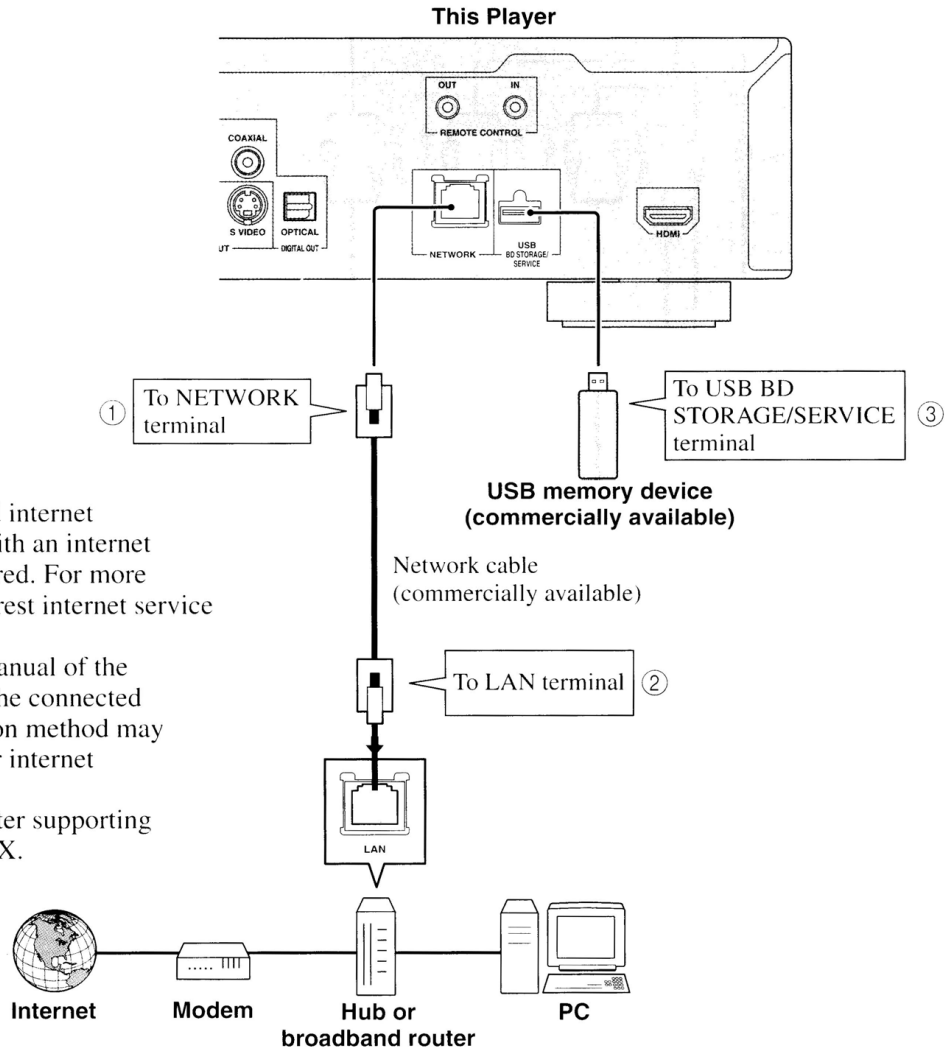
Broadband Internet Connection

■ Connecting to the NETWORK terminal and USB BD STORAGE/SERVICE terminal

- You can enjoy a variety of contents with interactive functions by connecting to the internet when playing BD-LIVE compatible discs. Refer to pages 24 and 25 regarding further information on BD-LIVE functions.
- You can connect a USB memory device (2GB or greater and formatted with FAT 32/16) to the USB BD STORAGE/SERVICE terminal to save the Virtual Package/BD-LIVE data or to update the software of this Player.
- Firmly connect a network cable (commercially available) and a USB memory device (commercially available) to the NETWORK terminal and USB BD STORAGE/SERVICE terminal (① and ②, and ③).
- Use only an STP (shielded twisted pair) network cable.
- When using the internet, a broadband internet connection as shown below is required.

Caution!

Be sure to turn off this Player and the equipment before making any connections.



Notes

- When using a broadband internet connection, a contract with an internet service provider is required. For more details, contact your nearest internet service provider.
- Refer to the operation manual of the equipment you have as the connected equipment and connection method may differ depending on your internet environment.
- Use a network cable/router supporting 10BASE-T/100BASE-TX.

After connecting

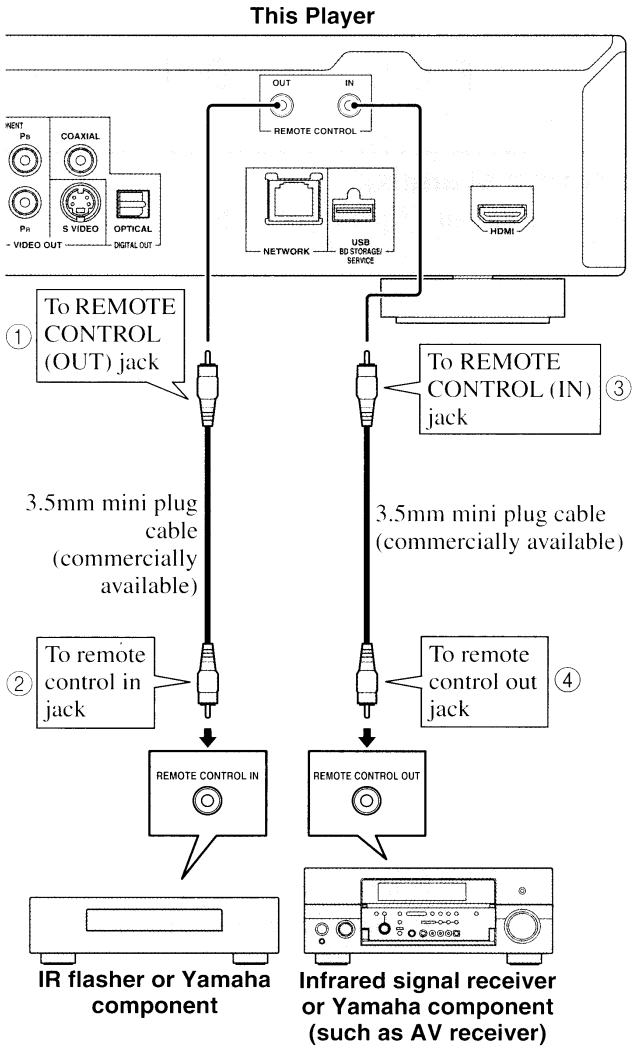
- Perform the communication setting. (Page 34–36)
- Load a BD-LIVE compatible disc and play back the contents. (Page 20–24)

■ Connecting to the REMOTE CONTROL jacks

– You can transmit the remote control signals by connecting to the REMOTE CONTROL (OUT/IN) jacks.
– Firmly connect 3.5mm mini plug cables (commercially available) to the REMOTE CONTROL (OUT/IN) jacks (① and ②, or ③ and ④).
– If your AV receiver is a Yamaha product and has the capability to transmit SCENE control signals, you can use the SCENE function.

Caution!

Be sure to turn off this Player and the equipment before making any connections.

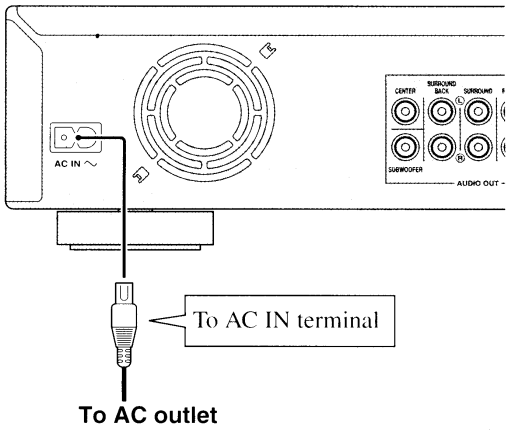


Hint

– For details about the SCENE function, refer to the owner's manual supplied with your Yamaha AV receiver.
– You can connect a Yamaha component (such as DVD player and CD player) corresponds with the SCENE function to the REMOTE CONTROL (OUT) jack of this unit.

■ Connecting the power cable

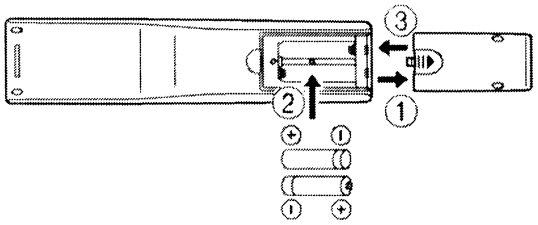
– Plug the supplied power cable into the AC IN terminal on the rear of the Player. Then plug into AC outlet.



Note

– TO PREVENT RISK OF ELECTRIC SHOCK, DO NOT TOUCH THE UN-INSULATED PARTS OF ANY CABLES WHILE THE POWER CABLE IS CONNECTED.

■ Loading the Batteries in the Remote Control



① Press the |▮▶ part and slide the battery compartment cover off.

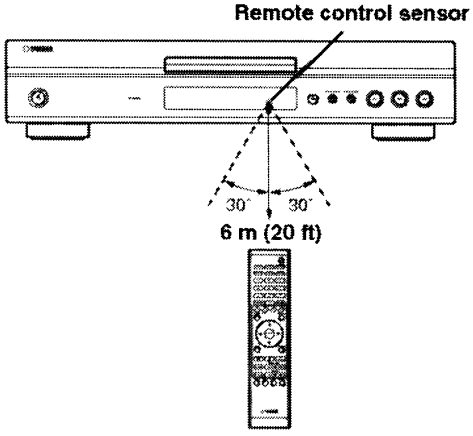
② Insert the two supplied batteries (AAA, R03, UM-4), following the indications (+/–) on the inside of the compartment.

③ Slide the cover back until it snaps into place.

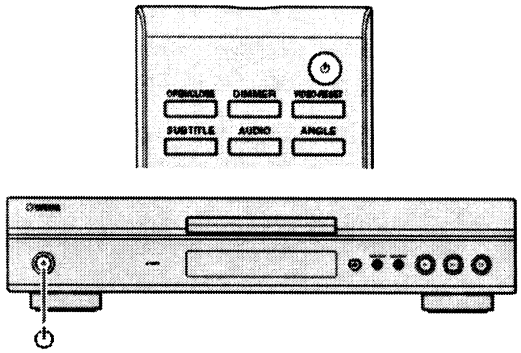
Notes

- Do not subject the remote control unit to shock, water or excessive humidity.
- The remote control unit may not function if the Player's remote sensor is in direct sunlight or any other strong light.
- Incorrect use of batteries may cause them to leak or burst. Read the battery warnings and use the batteries properly.
- Do not mix old and new batteries, or mix different brands.
- Remove the batteries if you will not use the remote control unit for an extended period of time.

Approximate operating range of remote control



■ Turning the Power On



Turning the power on

Press ⏻ on the remote control or on the Player to turn on the power of the Player.

Entering standby

Press ⏻ on the remote control or on the Player to enter standby.

Note

- If you press ⏻ again immediately after entering standby, the Player may not turn on. If this happens, wait for 10 seconds or more and then turn on the power again.

■ Indicators on the front panel display

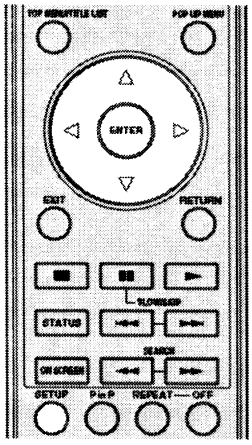
Indicator	Descriptions
BD	Lights up when playing back a BD disc.
DVD	Lights up when playing back a DVD-Video disc.
CD	Lights up when playing back a CD.
▶	Lights up when playing back.
▮▮	Lights up when pausing.
TITLE	Lights up when playing back a BD disc or DVD.
CHP/TRK	Lights up when playing back a BD disc, DVD, or CD.
REP S	Lights up when playing back track or chapter repeatedly.

Indicator	Descriptions
REP ALL	Lights up when playing back disc or title repeatedly.
REP A-B	Lights up when playing back a section repeatedly.

Adjusting the brightness of the front panel display

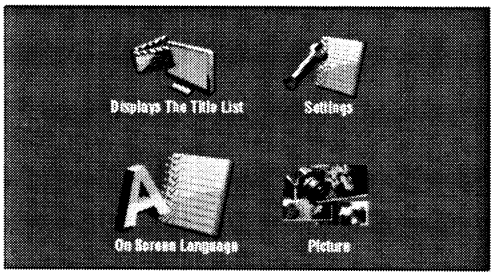
If you feel that the front panel display is too bright when watching movies, you can adjust the brightness by pressing **DIMMER** repeatedly on the remote control.

■ Setting the on-screen display language

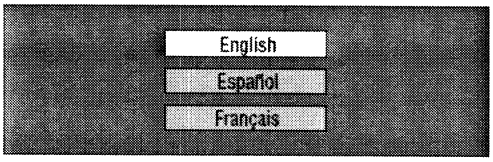


① Press **SETUP** to display the Setup Menu screen.

② Press △ / ▽ / ◁ / ▷ to select "On Screen Language", then press **ENTER**.



③ Press △ / ▽ to select the language you want to display on the screen, then press **ENTER**.



Notes

- The language display in step 3 is an example for U.S.A., Canada, and Central and South America models.
- To select the DVD disc language, such as subtitle language, etc., see page 26.

■ Updating the software of this unit

Some of the newly released BD video discs cannot be played back unless you update this Player software to the latest version. We recommend updating the software of this unit with "Software Update" so that this Player is operated based on the latest software.

The USB memory device must be clear of all files except software update data to allow new software uploading.

To check for the availabitity of a software update, visit http://www.yamaha.co.jp/english/product/av/down/agreement.html.

When a software update is performed, the software update data must be written onto the USB memory device in advance using a PC. When software update data is released, copy the data onto a USB memory device after downloading it to a PC. Delete unneeded software update data using a PC after the software update process is completed.

① Insert the USB memory device with the update file into the USB BD STORAGE/SERVICE terminal on rear of this Player.

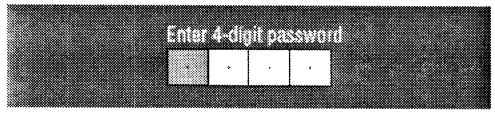
② Press **SETUP** to display the Setup Menu screen.

③ Press △ / ▽ / ◁ / ▷ to select "Settings", then press **ENTER**.

④ Press △ / ▽ to select "Software Update", then **ENTER**.

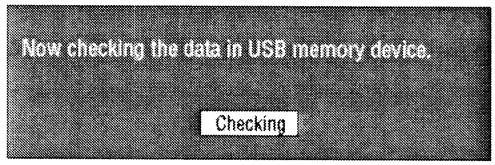
- If you have not yet set the password, go to step 6.

⑤ Enter the 4-digit number using 0-9.

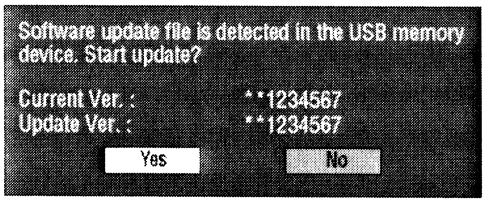


⑥ Press **ENTER** to start checking data in the USB memory device.

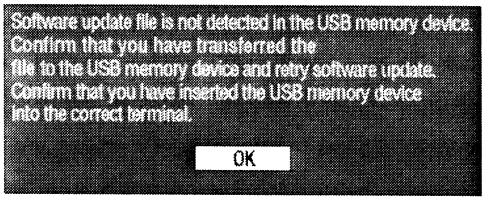
⑦ During the data checking, "Checking" blinks.

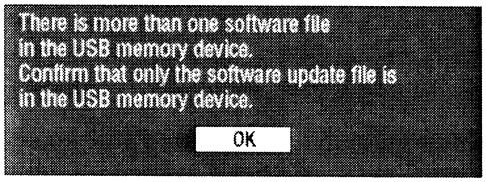


– The current version of this unit software and the version of the update file on the USB memory device are displayed. To update this Player software with update file, select "Yes", and press **ENTER**.



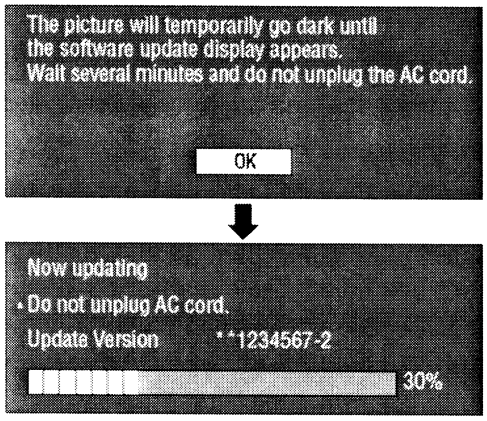
– If the USB memory device is not properly installed or the correct update file cannot be found on the USB memory device, an error message is displayed. Check the file on the USB memory device, and then reinsert the USB memory device correctly.


Software update file is not detected in the USB memory device.
Confirm that you have transferred the file to the USB memory device and retry software update.
Confirm that you have inserted the USB memory device into the correct terminal.
OK


There is more than one software file in the USB memory device.
Confirm that only the software update file is in the USB memory device.
OK

⑧ Press **ENTER** to start updating.

– The screen becomes dark for a while until the update screen can be displayed. Please wait for the update screen to appear. Do not unplug the power cable.


The picture will temporarily go dark until the software update display appears.
Wait several minutes and do not unplug the AC cord.
OK
Now updating
• Do not unplug AC cord.
Update Version **1234567-2
30%

⑨ When the software is successfully updated, a screen is displayed indicating that the update process is completed.

– If the update has failed, check the file in the USB device and try Software Update again.

⑩ Press ⏻ to turn off the Player.

⑪ Remove the USB memory device.

Hint

– You can clear the 4-digit number by pressing **CLEAR**.
– You can use **ENTER** on the lower right of the **Number** buttons instead of **ENTER** in the **Cursor** buttons.
– You can also update the software by inserting a CD-ROM with the update file.

■ Setting the audio output

To output audio correctly, set the audio output suited for your playback environment with "Audio Out". Refer to "Common operations" and "Audio Out" on page 29 and 31.

■ Preparing for BD-LIVE

BD-LIVE is a new feature of Blu-ray Disc that allows you to download and enjoy movie trailers or bonus features by using the internet.

① Connect this player to the internet. (Page 14.)

② Insert a USB memory device (2GB or greater and formatted with FAT 32/16) supporting USB High Speed (480Mbit/s) to the USB BD STORAGE/ SERVICE terminal on the back of this Player. (Page 14.)

③ Prepare a BD-Video disc compatible with BD-LIVE. ("Enjoying BONUSVIEW or BD-LIVE" on page 24.)

■ Activating the Secondary Audio

When you set "Secondary Audio" in the "Setup Menu" to "On", you can enjoy audio of the picture in picture or audio commentaries of BD-LIVE compatible Blu-ray discs. Refer to "Common operations" and "Secondary Audio" on page 29 and 31.

■ Controlling the Blu-ray disc player using the HDMI™ control function

Using the HDMI control function, you can interactively operate this Player with your TV (HDMI control function supported).
When you connect this Player to the TV compatible with the HDMI control function using an HDMI cable and set "HDMI Control" in the "Setup Menu" to "Yes", you can perform the function listed below. (See page 9 and 33 for connecting to the HDMI terminal and "HDMI Control".)

• Automatic input select function
When you start playback of this Player, the input selector of the TV (and an AV receiver if this Player is connected to the TV via the AV receiver) is switched to this Player automatically. TV Power may be turned on automatically depending on the TV.
• Automatic power off function
When you turn off the TV while this Player is in stop mode and the Setup Menu screen is not displayed, the power of this Player is also turned off automatically.

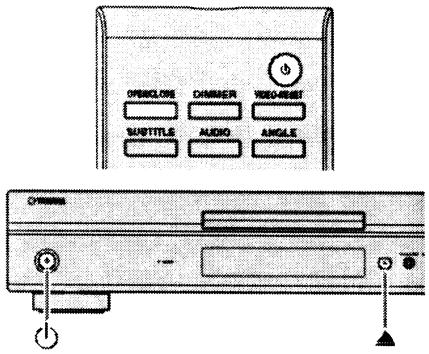
Notes

- HDMI control function may not work properly depending on the TV.
- Functions other than ones shown above may work depending on the TV or AV receiver.
- In order to make the HDMI control function available, set up settings for the HDMI control function on ALL the components (this Player, TV, and AV receiver). Certain operation may also be required.
- Each function may be set independently to activate/deactivate depending on the TV.
- Refer to the operation manuals supplied with the TV and/or AV receiver for details regarding setup.

BD/DVD/CD Playback

This section explains playback of commercially available BD Video and DVD Video discs (like movies), CDs, and recorded DVD-RW/R discs.

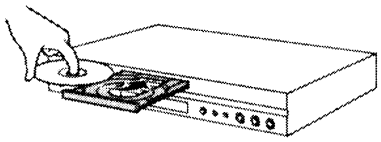
■ Loading a Disc



① Press ⏻ to turn on the power.

② Press **OPEN/CLOSE** or ⏏ to open the disc tray.

③ Load a disc on the disc tray.
- Insert the disc with the label face up.
- In case of disc recorded on both sides, face down the side to play back.



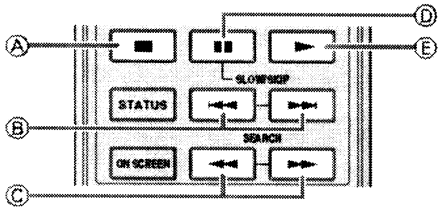
④ Press **OPEN/CLOSE** or ⏏ to close the disc tray.

Notes

- Playback may begin automatically, depending on the disc.
- Playback begins from the first title.
- The menu may be displayed first, depending on the disc. Perform playback operation by following the directions on the screen.
- The disc load time may vary depending on the disc.

■ Basic playback operation

BD-V BD-RE BD-R
DVD-V DVD-R DVD-RW AUDIO CD



	Buttons	Functions
Ⓐ	■	Pauses or stops playback
Ⓑ	⏮ / ⏭	Skips backward/Skips forward
Ⓒ	◀◀ / ▶▶	Search backward/Search forward (search) *1
Ⓓ	❚❚	Pauses playback
Ⓔ	▶	Playback *2

*1 The search speed will change each time you press the button.
*2 The Player resumes playback from the point that where the Player was previously stopped. To playback from the beginning, press ■ and then ▶.

Notes

- This player supports DVD upscaling during DVD playback.
- Some of the newly released BD video discs cannot be played back unless you update this Player software to the latest version. Therefore, it may be required to update the software of this Player. Refer to page 37 for more information regarding software updates for this Player.

Frame Advance Playback

Frame Advance Playback functions when ⏭ is pressed during Pause.

Notes

- Frame Advance Playback may not function properly with discs other than DVD-RW/R (VR format).
- Some BD/DVD Video discs are not compatible with Frame Advance Playback.
- Frame Advance/Reverse Playback can be performed for DVD discs by pressing ⏭ or ⏮ during pause.

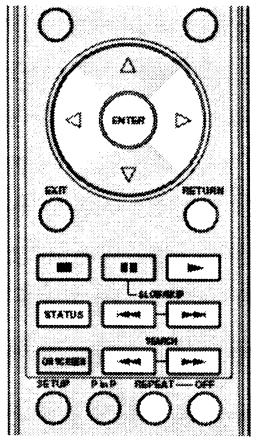
Slow Playback

Slow Playback functions when ⏭ or ⏮ is pressed for more than 2 seconds during pause.
- Press ▶ to return to normal playback.

Notes

- This doesn't work for audio CDs.
- Reverse Slow Playback cannot be performed for BD video.

■ Repeat Playback

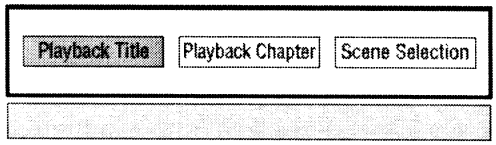


Repeat Playback of a Title or Chapter

① Play back the title or chapter you want to repeat.

② Press **REPEAT**.

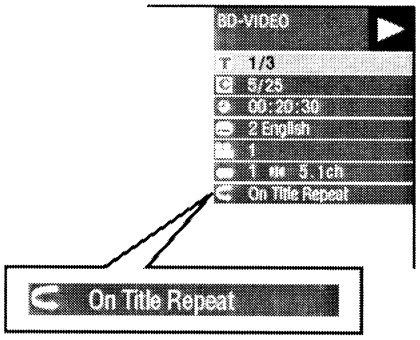
③ Press ◁ / ▷ to select the type of Repeat Playback.
- Playback Title: Repeats the title currently being played back.
- Playback Chapter: Repeats the chapter currently being played back.
- Scene Selection: Repeats the specified scene of title or chapter.



- Press **RETURN** to cancel without setting the type of Repeat Playback.
- For Audio CD, you can select "Playing Disc", "Playing Track" and "Specify The Part" as Repeat Playback options.

④ Press **ENTER**.

Example: Repeat playback of a title (TITLE)



⑤ Press **OFF** to return to normal playback.

Repeat Playback of a Specified Part

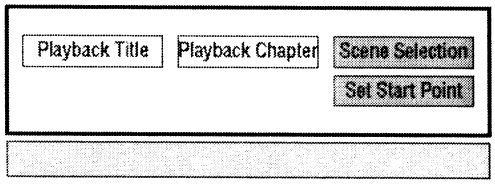
DVD-V DVD-R DVD-RW
AUDIO CD

Note

- Some operations in the following playback function cannot be performed depending on the specifications of the disc.

① Press **REPEAT** during playback.

② Press ◁ / ▷ to select "Scene Selection", then press **ENTER**.
- "Set Start Point" displays.



③ Press **ENTER** at the scene where you want to set the start point.
- "Set End Point" displays.

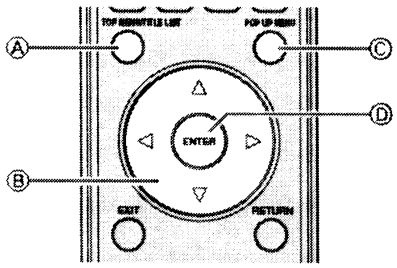
④ Press **ENTER** at the scene where you want to set the end point.
- You can press ►► to fast forward to the scene where you want to set the end point. When you reach the desired scene, simply press ► and then **ENTER** to set the end point. To cancel Repeat Playback, press **OFF**.

Notes

- Press ►►|, the Repeat Playback is cancelled and the next chapter being play back.
- Press |◄◄ once, the Repeat Playback is cancelled and the player returns to the start of current chapter (track).
- If you press |◄◄ again (within about 5 seconds) the player will skip to the beginning of the previous chapter (track).
- For Repeat Playback of a Specified Part, set the start and end points within the same title.
- Repeat Playback may be forbidden depending on the disc.
- Repeat Playback of a Specified Part may not work in multi-angle scenes.
- If you press **STATUS**, you can confirm the Repeat Playback status.

■ Using BD/DVD Menus

This section explains how to play back a BD/DVD video disc with a top menu, disc menu or pop-up menu. The titles listed in the top menu and a disc guide (for options like subtitles and audio languages) are given in the disc menu.



Buttons		Functions
Ⓐ	TOP MENU/ TITLE LIST	Displays the top menu screen
Ⓑ	△ / ▽ / ◁ / ▷	Moves the highlight in the menu screen
Ⓒ	POP UP MENU	Displays the pop-up menu screen
Ⓓ	ENTER	Selects the highlighted menu item

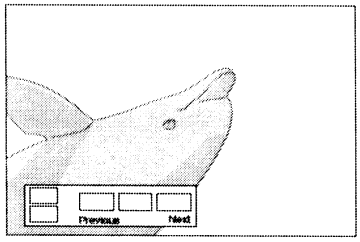
Notes

- The procedure explained on this page is the basic operation procedure. Procedures vary depending on the BD/DVD video disc, so you may need to follow the instructions in the BD/DVD video disc manual or the instructions displayed on the screen.
- With some BD/DVD discs, the top menu may be referred to as the "Title Menu". Use **TOP MENU/ TITLE LIST** on the remote control when the instructions refer to "Title Menu".
- If no top menu is available, the **TOP MENU/TITLE LIST** button will have no effect.
- The top menu screen may be displayed by pressing **POP UP MENU** depending on the DVD.

Using the pop-up menu

BD-V

① Press **POP UP MENU** during playback.
- The pop up menu screen is displayed.
- The menu contents displayed vary depending on the disc. For details on how to see and operate the pop-up menu, refer to the manual for the disc.



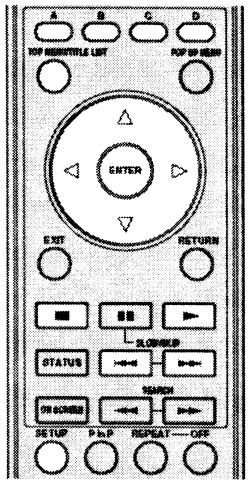
② Press △ / ▽ / ◁ / ▷ to select the desired item, then press **ENTER**.

③ Press **POP UP MENU** to exit.
- The pop-up menu will automatically disappear for some discs.

■ Using DVD-R/-RW Menu

DVD-R DVD-RW

You can play back a recorded disc (VR format finalized disc only).

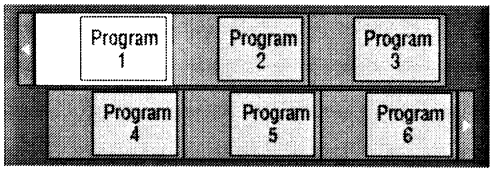


Note

- "Finalize" refers to a recorder processing a recorded disc so that it will play in other DVD players/ recorders as well as this player. Only finalized DVD discs will play back in this player. (This player does not have a function to finalize discs.)

Playback by selecting a title

① Load a recorded disc.
– The Title List screen is displayed.



– If the Title List screen is not displayed, press **TOP MENU/TITLE LIST**.

② Press △ / ▽ / ◁ / ▷ to select the desired title, then press **ENTER**.
– When seven or more titles exist, switch pages by pressing ⏮ or ⏭.
– Playback of the selected title will begin.
You can playback by pressing ▶ instead of pressing **ENTER**.

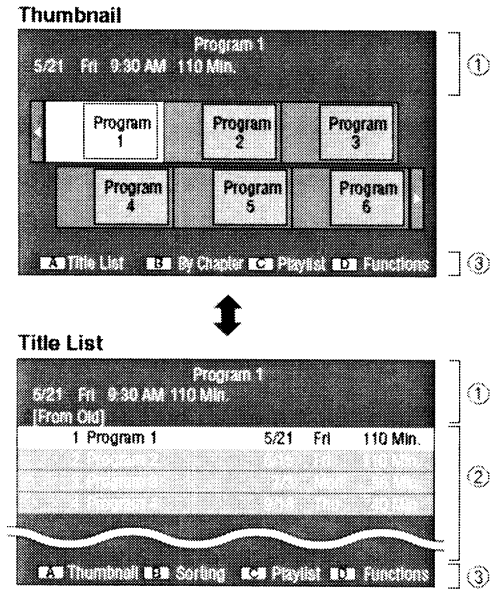
③ Press ■ to stop playback.

Note

– The Title List screen also can be displayed by pressing **TOP MENU/TITLE LIST** when playback is stopped or by pressing **ENTER** after choosing "Displays The Title List" in Setup Menu when playback is stopped.

About Title List

– The Title List can be displayed in two types, Thumbnail and Title List.
– Each time you press **A**, the screen changes between Thumbnail and Title List.



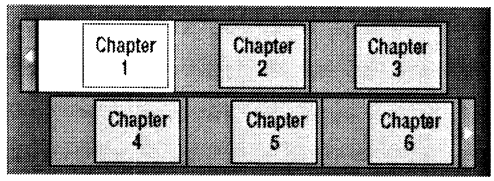
① **Information of selected title**

② **Title Name**
Recording Date
Recording Duration

③ **Caption for Color Button**

Playback by selecting a chapter

① Press **B** while the Thumbnail screen is displayed.
– The chapter screen is displayed.



– When seven or more chapters exist, switch pages by pressing ⏮ or ⏭.
– To return to the Thumbnail screen, press **B**.

② Press △ / ▽ / ◁ / ▷ to select the desired chapter, then press **ENTER**.
– Playback of the selected chapter will begin.
You can playback by pressing ▶ instead of pressing **ENTER**.

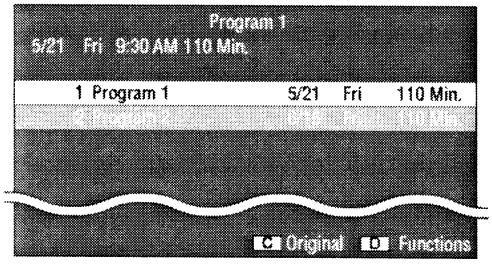
③ Press ■ to stop playback.

Sorting the titles

Each time you press **B** while the Title List screen is displayed, the Title List display changes between displaying the newest title first and the oldest title first.

Playback by selecting a Playlist

① Press **C** while the Thumbnail or Title List screen is displayed.
– The Playlist screen is displayed.

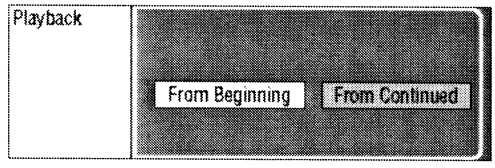


② Press △ / ▽ to select the title, then press **ENTER**.
– Playback of the selected title will begin.

③ Press ■ to stop playback.

Playing back the title you stopped while being played

① Press **D** while the Thumbnail or Title List screen is displayed.



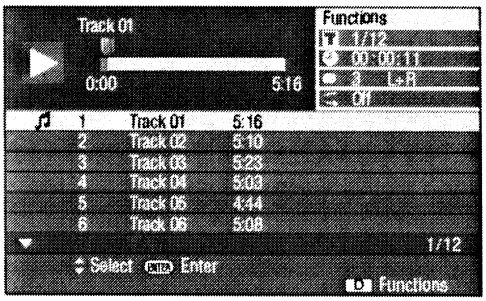
② Press ◁ / ▷ to select the type of Playback, then press **ENTER**.
– Playback of the title will begin.

③ Press ■ to stop playback.

■ Using the Audio CD Playback Menu

AUDIO CD

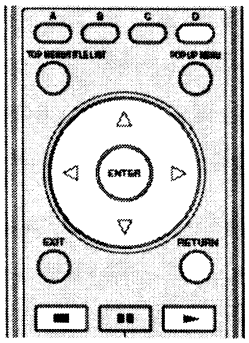
When you load an audio CD, following screen is displayed.



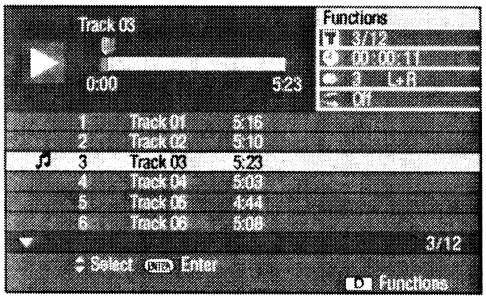
Note

– The CD screen is displayed only when a compact disc recorded in the CD-DA format is inserted.

Playback by selecting a track



① Press △ / ▽ to select the track, then press **ENTER** during playback or when playback is stopped.
– Playback of the selected track will begin.

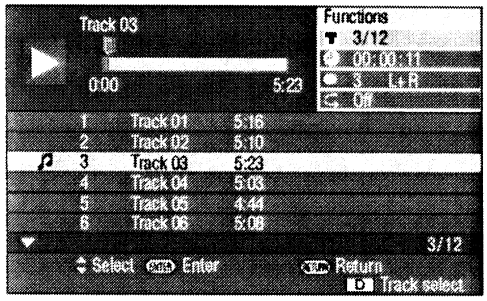


② Press ■ once to pause playback (resume stop).

③ To stop playback completely, press ■ again.

Using the Function menu

① Press **D** when the CD screen is displayed.
– The "Functions" menu is activated.



② Press △ / ▽ to select the desired setting, then press **ENTER**.
– When playback is stopped, only "Track" can be selected.
– For a description of each setting, see "Functions which can be set" (page 26).

③ Press △ / ▽ / ◁ / ▷ to set, then press **ENTER**.
– Operations vary depending on the setting. Follow the operation instructions on the screen.

④ Press **RETURN** or **D** to exit the "Functions" menu.

Note

– The displayed items vary depending on the disc.

■ Enjoying BONUSVIEW or BD-LIVE

BD-V

This Player is compatible with additional functions of BD-Video, BONUSVIEW (BD-ROM Profile 1 Version 1.1) and BD-LIVE.
For BD-Video discs compatible with BONUSVIEW, the functions of Picture in Picture and Virtual Package are available. For BD-LIVE compatible discs, you can enjoy a variety of functions via the internet in addition to the BONUSVIEW functions.

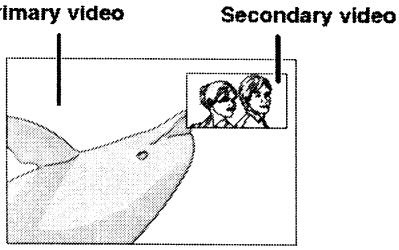
Virtual Package/BD-LIVE data is saved in Local Storage (USB memory device connected to this Player). To enjoy these functions, connect a USB memory device (2GB or greater and formatted with FAT 32/16) supporting USB 2.0 High Speed (480Mbit/s) to the USB BD STORAGE/ SERVICE terminal (page 14) on the back of this player.
– If there is insufficient storage space, the data will not be copied/downloaded. Delete unneeded data or use a new USB memory device.
– If a USB memory device containing other data (previously recorded) is used, the video and audio may not play back properly.
– If the USB memory device is disconnected from this player during playback of Virtual Package/BD-LIVE data, playback of the disc will stop.
– Some time may be required for the data to load (read/write).
– Refer to "USB Memory Management" on page 36 for erasing the Virtual Package data and the BD-LIVE data in the USB memory device.

Notes

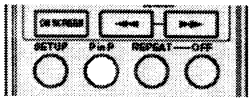
- Yamaha cannot guarantee that all brands' USB memory devices will operate with this player.
- Do not use a USB extension cable when connecting a USB memory device to the USB BD STORAGE/ SERVICE terminal of the player. Using a USB extension cable may prevent the player from performing correctly.

Use of Picture in Picture function (secondary audio/video playback)

BD-Video that includes secondary audio and video compatible with Picture in Picture can be played back with secondary audio and video simultaneously as a small video in the corner.



Press **P in P** to turn the Picture in Picture function on or off.



Notes

- To listen to secondary audio, make sure that "Secondary Audio" is set to "On". (See page 31.)
- The secondary audio and video for Picture In Picture may automatically play back and be removed depending on the content. Also, playable areas may be restricted.

Virtual Package

For BD-Video discs compatible with Virtual Package, data is copied from the discs or internet to local storage. It is automatically copied to the local storage prior to playback. You can enjoy a variety of additional functions including secondary video, secondary audio, subtitles, movie trailers, etc.

- The playback methods vary depending on the disc. For details, refer to the disc manual.

BD-LIVE

In this Player, a variety of contents with interactive functions are available through BD-LIVE compatible Blu-ray discs by connecting to the internet. You can enjoy the download of bonus features such as latest movie trailers to the USB memory device, communication compatible BD-J interactive games, etc.

- The available functions differ depending on the disc.
- The BD-LIVE operation methods and contents displayed vary depending on the programs provided through the internet. Operate by following the directions on the screen.

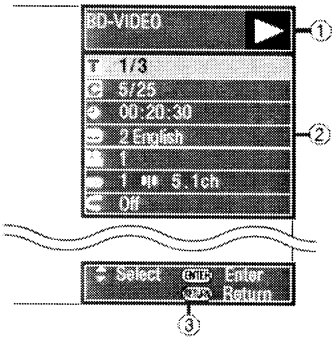
Notes

- Regarding playback method of BD-LIVE contents, etc., perform the operations in accordance with the instructions in the BD disc manual.
- To enjoy BD-LIVE functions, perform the broadband internet connection (page 14) and communication settings (pages 34–36).
- Refer to page 33 regarding the setup to restrict access to BD-LIVE contents.
- The time required to download the provided programs into the USB memory device connected to this player varies depending on the internet connection speeds and the data volume of the programs.
- BD-LIVE programs provided through the internet may not be able to display the connection depending on the status (updating) of the provider. In such cases, take out the disc and try again.
- If the BD-LIVE screen does not appear for a while after you select the BD-LIVE function in the BD disc menu, the USB memory device may not have enough free space. In such cases, eject the disc from the player, and then erase the data in the USB memory device using the Data Erase menu in the "USB Memory Management" menu. (See the operation manual on page 36.)

■ Function Control Screen

This allows you to adjust various settings at once, like subtitles, angle settings and the title selection for Direct Playback. You can adjust the video and audio to suit your preferences. The operations are the same for BD and DVD.

Function control screen



① Playback status display

Shows the operation status and the disc type.

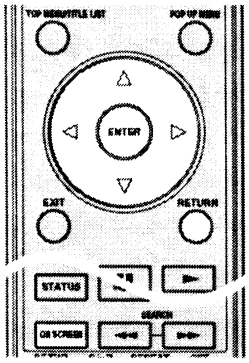
② Setting items

Selects a title (or track) or chapter for playback, or performs video/audio settings.

③ Operation guide display

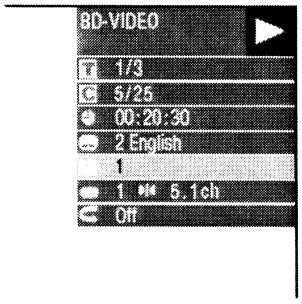
Provides help on remote control button operations.

Function control operation procedure



① Press **ON SCREEN** during playback.
- The Function Control screen is displayed on the TV.

② Press △ / ▽ to select the desired setting, then press **ENTER**.
- For a description of each setting, see "Functions which can be set" (page 26).



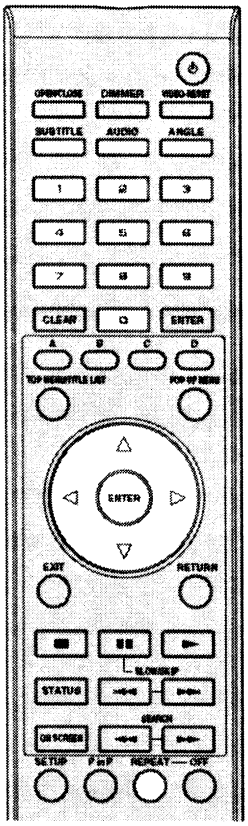
③ Press △ / ▽ / ◁ / ▷ to set, then press **ENTER**.
- Operations vary depending on the setting. Follow the operation instructions on the screen.

④ Press **RETURN** or **ON SCREEN** to close the Function Control screen.

Notes

- If "– –" is displayed for an option like title number or subtitles, the disc has no titles or subtitles which can be selected.
- The displayed items vary depending on the disc.
- If you access the Function Control screen during playback of a BD/DVD video, it may be impossible to operate the BD/DVD video playback. In cases like this, close the Function Control screen.

Functions which can be set



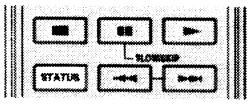
Icons	Functions	Descriptions
T	Title/Track Number (Direct Title/Track Skip)	– Shows the title number being played back (or track number when playing back an audio CD). You can skip to the start of the title (or track). – To skip to the start of a selected title (or track), press the **Number** buttons to enter the title (or track) number when this option is highlighted.
C	Chapter Number (Direct Chapter Skip)	– Shows the chapter number being played back. You can skip to the start of the chapter. – To skip to the start of a selected chapter, press the **Number** buttons to enter the chapter number when this option is highlighted.
	Playback Elapsed Time (Direct Time Skip)	– Shows the time elapsed from the beginning of the current disc title (or track). This lets you skip to a specific time. – Press ◁ / ▷ to select the Hour, Minute or Second, then press △ / ▽ or the **Number** buttons to set the time. Press **ENTER** to start playback at the set time.

Icons	Functions	Descriptions
	Subtitle Language	– Shows the currently selected subtitle language. If subtitles are provided in other languages, you can switch to your preferred language. You can also select the subtitle language by pressing **SUBTITLE**.
	Angle Number	– Shows the currently selected angle number. If the video is recorded with multiple angles, you can switch the angle. You can also switch the angle by pressing **ANGLE**.
	Audio	– Shows the currently selected type of audio. You can select the desired type of audio. You can also select the type of audio by pressing **AUDIO**.
	Repeat	– The current Title (or Chapter) or partial segments can be repeatedly played back. Repeat Playback is also possible with the **REPEAT** button on the remote control.

Notes

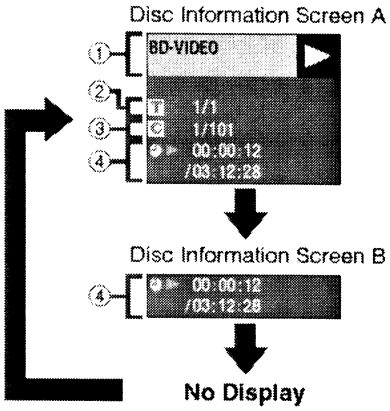
- These functions may not work with all discs.
- For DVD-RW and DVD-R, when a recorded broadcast with stereo or monaural audio is played back, "Stereo" is displayed. (Audio cannot be switched.)
- When you play a program recorded in stereo or monaural, and if you are listening to the Bitstream sound via the digital output jack, you cannot select the audio channel. Set "Audio Out" to "PCM" (Page 31), or if you want to change the audio channel, listen via the analog output jacks.

■ Displaying the disc information



Press **STATUS** during playback.

– Each time you press **STATUS**, the display switches as follows.



① Type of disc

② Title number being played / Total number of Titles

③ Chapter number being played / Total number of Chapters

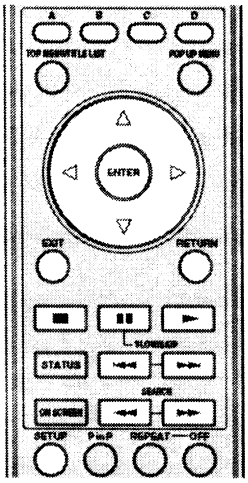
④ Elapsed playback time / Total playback time for the Title

Notes

- Disc Information Screen A disappears after about 1 minute elapses without performing any operations.
- For some commercially-released BD VIDEO discs, the total playback time display for the Chapter/Title may not appear.

JPEG File Playback

CD-R JPEG CD-RW JPEG



Notes

- This Player can play still images (JPEG files) that have been recorded on CD-RW/R discs. For details on the still images that you can play using this player, refer to "About the JPEG file format" on page 3.
- During "Normal play", still images are played one by one while during "Slide show", they are automatically replaced one after another.

■ Playing back still images in sequence

Load the disc containing the still images, and press ►.

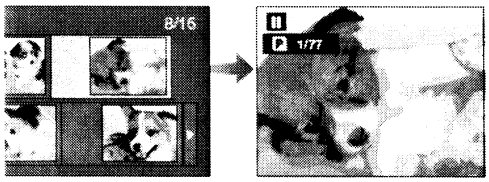
- The first still image appears on the screen.
- Press ⏮ or ⏭ to proceed to the next or previous still image.
- The same operation can be performed by pressing △/▽ or ◄◄ or ►►.

■ Playing back still images in a selected folder

① Load the disc containing still images, then press **SETUP**.

② Press △ / ▽ / ◁ / ▷ to select "Picture", then press **ENTER**.

③ Use △ / ▽ / ◁ / ▷ to select the folder whose still images are to be played, then press **ENTER**.



④ Press ⏮ or ⏭ to replace one image with another.

- The same operation can be performed by pressing △/▽ or ◄◄ or ►►.
- Press **RETURN** if you wish to return to the folder selection screen.

⑤ To stop the still image playback at any time, press ■.

■ Playing back Slide Show

① In Step 2 of the left side "Playing back still images in a selected folder", press ► (Slide Show).

- The still images inside the selected folder are played as a slide show.

② To pause the playback at any time, press ❚❚.

- Press ► to resume playback.

③ To stop the play at any time, press ■.

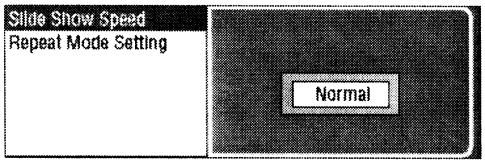
- Press **RETURN** to play a slide show of still images in another folder.

■ Setting slide show speed/repeat playback

① Press **C** (Slide Show Menu) during the folder selection screen.

- The setting screen for "Slide Show Speed"/"Repeat Mode Setting" appears.

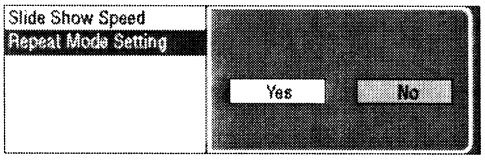
② Press △ / ▽ to select "Slide Show Speed", then press **ENTER**.



③ Press △ / ▽ to select the desired speed, then press **ENTER**.

- The slide show speed may be selected from "Fast", "Normal", "Slow1" and "Slow2".

④ Press △ / ▽ to select "Repeat Mode Setting", then press **ENTER**.



⑤ Press ◁ / ▷ to select the desired item, then press **ENTER**.

⑥ Press **EXIT** to exit.

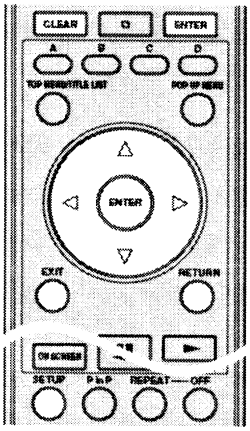
Settings

The "Menu" enables various audio/visual settings and adjustments on the functions using the remote control unit.

Menu/Submenu		Function	Page
Audio Video Settings	**TV Aspect Ratio**	Sets the screen aspect ratio of the connected TV, and adjust the video output.	30
	Component Video Out	Sets the resolution of the component video output.	30
	HDMI Video Out	Sets the resolution of the HDMI video output.	31
	Video Out Select	Selects the priority of the video output.	31
	Secondary Audio	Sets the audio of the picture in picture or audio commentaries.	31
	Audio Out	Sets the audio output suited for your playback environment.	31
	Dynamic Range Control	Adjusts the dynamic range for playback at average volume.	32
Speaker Settings		Sets the speakers connected to this Player via the 8ch discrete jacks.	32
Quick Start		Sets the startup time of this Player to be reduced.	33
Auto Power Off		Sets the power of this Player to be turned off automatically.	33
HDMI Control		Sets this Player to receive the control signal from the remote control of your TV.	33
Playback Setting	**Parental Control**	Sets the Parental Control depending on the disc content.	33
	Disc Language	Selects the language for subtitles, audio, and menus displayed on the screen.	33
	Angle Mark Display	Sets to display the Angle Mark when BD/DVD with multiple angles is played back.	33
	Password Setting	Sets the password.	33
	BD Internet Access	Sets access restriction to BD-LIVE contents.	33
Communication Setup		Changes the communication settings.	34
Version		Displays the system software version.	34
USB Memory Management		Delates data in a USB memory.	36
Software Update		Updates the software of this Player.	17, 37
System Reset		Resets all settings to the factory presets.	34

■ Common operations

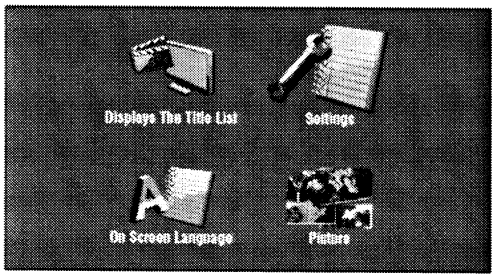
You need to call up the Setup Menu screen to perform settings for this player. The following is the explanation for the basic operations of the "Menu".



Example: Setting "Auto Power Off"

1. Display the Menu screen

Press **SETUP** to display the Setup Menu screen. Press △ / ▽ / ◁ / ▷ to select "Settings", then press **ENTER**.

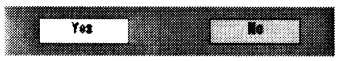


2. Select a menu item

Press △ / ▽ to select "Auto Power Off", then press **ENTER**.

3. Select the next item

Press ◁ / ▷ to select the desired item, then press **ENTER**.



Press **RETURN** to return to the previous "Menu" page.

4. Exit the Menu screen

Press **SETUP** or **EXIT** to exit.

Example of the Setup Menu operation

Example: Setting "Parental Control" under "Playback Setting"

① Press **SETUP** to display the Setup Menu screen.

② Press △ / ▽ / ◁ / ▷ to select "Settings", then press **ENTER**.

③ Press △ / ▽ to select "Playback Setting", then press **ENTER**.

④ Press △ / ▽ to select "Parental Control", then press **ENTER**.

– When you operate this Player for the first time, the password setting screen will be displayed. See "When setting the password for the first time" below.

⑤ Enter your 4-digit password.

– You cannot move to the next setting screen until you can input the correct password.

When setting the password for the first time.

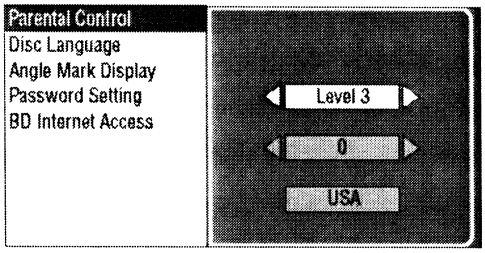
1. To set the password for the first time, press ◁ / ▷ to select "Yes" to enter the password setting menu, then press **ENTER**.
2. Enter a 4-digit number for the password, then the same 4-digit number for confirmation.
3. Press **ENTER** to complete the password setting procedure and move to the next setting screen.

Hints

– You can clear the 4-digit number by pressing **CLEAR**.

– You can use **ENTER** on the lower right of the **Number** buttons instead of **ENTER** in the **Cursor** buttons.

⑥ Press ◁ / ▷ to select the parental control level for DVD VIDEO. BD-ROM, and then select the country code. Press **ENTER** after making each selection.



⑦ Press **SETUP** or **EXIT** to exit.

■ Audio Video Settings

Hint

– The default settings are marked with "*".

TV Aspect Ratio

You can set the screen aspect ratio of the connected TV. and adjust the video output.
If you switch your TV (i.e. because you have bought a new one) and the screen aspect ratio of the connected TV changes, you will have to change the "TV Aspect Ratio" setting.

Wide 16:9*: Select this when connecting to a TV with a 16:9 screen aspect ratio.

Normal 4:3: Select this when connecting to a TV with a 4:3 screen aspect ratio.

When selecting Normal 4:3

Letter Box*: If you playback a DVD with 16:9 video, the video will be played back with black bands at the top and bottom while maintaining the 16:9 ratio.

Pan Scan: If you playback a DVD with 16:9 video, the video will be played back with the left and right sides of the image cut off to display in 4:3 screen aspect ratio. (This function works if the disc is labelled for 4:3PS.)

Component Video Out

This sets the resolution of the component video output. Some TV are not fully compatible with the Blu-ray disc player, which may cause the image distortion. In this case, press **VIDEO-RESET** on the remote control for five seconds. "Component Video Out" will be reset to "480i" (factory preset value).

1080i, 720p, 480p, 480i*

Note

– Some discs prohibit high definition video output from the COMPONENT jacks. In this case, the video resolution is converted to 480p or 480i.

HDMI Video Out

This sets the resolution of the HDMI video output. Some TV are not fully compatible with the Blu-ray disc player, which may cause the image distortion. In this case, press **VIDEO-RESET** on the remote control for five seconds. "HDMI Video Out" will be reset to "Auto" (factory preset value).

Auto*, 1080p, 1080i, 720p, 480p

Note

– When the BD player is connected to a 1080p/24Hz compatible TV and the "HDMI Video Out" is set to "Auto", 1080p/24Hz will automatically be displayed when compatible discs are played back.
At 1080p/24Hz or 1080p/60Hz, there is no output from the COMPONENT jacks and VIDEO jack.

Video Out Select

Dual video output is possible simultaneously from the analog video jacks (component, S-video, and video) and the HDMI terminal with the following settings. Select the video output which you want to have priority according to the following chart.

HDMI*: Select this to give priority to HDMI output. You can set the resolution of the HDMI video output in "Settings" - "Audio Video Settings" - "HDMI Video Out". (See page 31.)

Component: Select this to give priority to analog (component, S-video, and video) output. You can set the resolution of the component video output in "Settings" - "Audio Video Settings" - "Component Video Out". (See page 30.)

Notes

– 1080p is only available in HDMI.

Settings on this Player		Output Resolution	
Video Out Select	HDMI Video Out	Component Out	S/CVBS Out
HDMI	Auto	*1 *2	480i *3
	1080p	No Output	No Output
	1080i	1080i *1	480i
	720p	720p *1	480i
	480p	480p *1	480i

Settings on this Player		Output Resolution	
Video Out Select	Component Video Out	HDMI Out	S/CVBS Out
Component	1080i *1	1080i *1	480i
	720p *1	720p *1	480i
	480p	480p	480i
	480i	480i	480i

*1 Some discs prohibit high definition video output from COMPONENT jacks. In this case, video resolution is converted to 480p (when "Video Out Select" is set to "Component") or 480i (when "Video Out Select" is set to "HDMI").

*2 Depends on the TV connected. No video output when 1080p signal is output from the HDMI terminal.

*3 No video output when 1080p signal is output from the HDMI terminal.

– If the video equipment connected to each of the terminals is not compatible with the resolution of the priority video output, abnormalities in images on the screen may appear.

Hint

– This function can also be performed by the front panel buttons. Press and hold ■ and ► on the front panel (or press and hold **DIMMER** on the remote control) for more than 4 seconds while no disc is inserted in this Player and the disc tray is closed.

Secondary Audio

You can turn on and off the audio of the picture in picture or audio commentaries.

– Select "On" to output the audio of the picture in picture.
– Select "Off" to enjoy the high-quality sounds of BD-Video.

Hint

– When you set "Secondary Audio" to "Off", this unit does not output the clicking sound on the menu.

On, Off*

Audio Out

You can set the audio output suited for your playback environment.

① Select the audio output connected to a TV or AV receiver.

HDMI Output*: Select this when you connect using HDMI terminal.

Digital Output: Select this when you connect using DIGITAL OUT terminal (COAXIAL/OPTICAL).

7.1ch Audio Output: Select this when you connect using AUDIO OUT (8ch discrete) jacks.

2ch Audio Output: Select this when you do not use SURROUND sound equipment.

② Select the output mode.

When you selected "HDMI Output"

Bitstream*:
– Select this when connecting to HDMI equipment with a built-in decoder for DOLBY DIGITAL, etc.
– Setting to Bitstream will output each audio signal by Bitstream.

PCM (Surround):
– Select this when connecting to multi-channel HDMI equipment (without a built-in decoder for DOLBY DIGITAL, etc.) or 2ch HDMI equipment such as TV.
– Setting to PCM (Surround) will output by LINEAR PCM by decoding audio signals recorded in each audio output mode such as DOLBY DIGITAL, DTS.

Note

– When "Secondary Audio" is set to "On", PCM is automatically selected as the audio output mode.

When you selected "Digital Output"

Bitstream*:
– Select this when connecting to SURROUND equipment with a built-in decoder for DOLBY DIGITAL, etc.
– Setting to Bitstream will output each audio signal by Bitstream.

PCM:
– Select this when connecting to 2 channel stereo audio equipment.
– Setting to PCM will output by converting each audio signal into PCM 2 channel audio signal.

Note

– See page 38 for information on the audio output formats.

Dynamic Range Control

This lets you adjust the range between the loudest and softest sounds (dynamic range) for playback at average volume. Use this when it is hard to hear dialog.

Normal: The same audio output range is played as the original recorded audio output range.

Shift: When Dolby Digital audio is played back, the dynamic range of the audio is adjusted so that the dialog portion can be heard easily. (If the audio sounds abnormal, set to "Normal".)

Auto*: When you play back audio in the Dolby TrueHD format, the dynamic range is automatically adjusted.

* Lower the audio volume before setting. If you do not do so, the speakers may emit a loud sound or excessive output may be applied to the speakers.

■ Speaker Settings

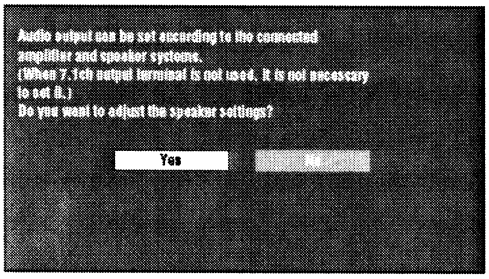
This sets size, distance, and volume levels for individual speakers when you connect using AUDIO OUT (8ch discrete) jacks.

① Press **SETUP** to display the Setup Menu screen.

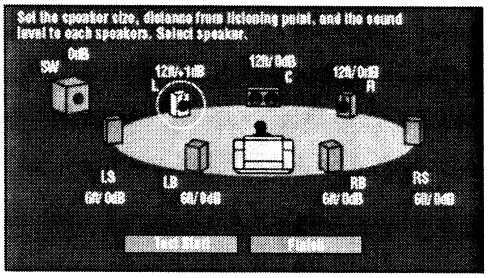
② Press △ / ▽ / ◁ / ▷ to select "Settings", then press **ENTER**.

③ Press △ / ▽ to select "Speaker Settings" , then press **ENTER**.

④ Press ◁ / ▷ to select "Yes", then press **ENTER**.
– Select "No" to cancel without configuring the Speaker Settings.


Audio output can be set according to the connected amplifier and speaker systems.
(When 7.1ch output terminal is not used, it is not necessary to set it.)
Do you want to adjust the speaker settings?
Yes

⑤ Press △ / ▽ / ◁ / ▷ to select a speaker you want to configure, then press **ENTER**.
L (Front Left), **C** (Center), **R** (Front Right), **RS** (Surround Right), **RB** (Surround Back Right), **LB** (Surround Back Left), **LS** (Surround Left), **SW** (Subwoofer)



⑥ Press ◁ / ▷ to select "Size", "Distance", and "Level", then press △ / ▽ to set the value for the selected item.

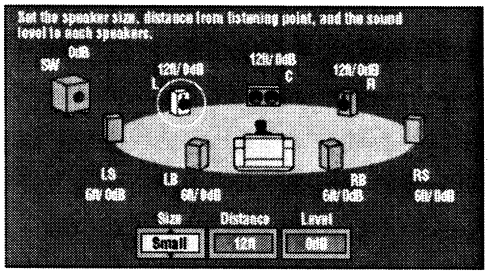
Size: You can set the sizes from "Small", "Large*", and "No".

Distance: You can set the distances from "0.3m (1 ft)" - "3.0m (10 ft)*" - "9m (29 ft)".

Level: You can set the volume levels from "–12 dB" - "0 dB*".

Notes

– When "SW" is set to "No", the speakers cannot be set to "Small".



– To set the other items, repeat step 6.
– To set the other speakers, repeat step 5 - 6.

⑦ Press ▽ to select "Test Start", then press **ENTER**.
The test tone is output from each speaker to help you judge the volume levels.

⑧ Press ▽ to select "Test Tone Stop", then press **ENTER**.
The test tone stops.

⑨ Press ▷ to select "Finish", then press **ENTER**.

■ Quick Start

This turns the Quick Start function on and off.
When the Quick Start function is on:
- The startup time of the Player is reduced.
- However, power consumption will increase.
- The QUICK indicator lights up.

When the Quick Start function is off:
- The player will enter the low power consumption mode when in standby condition.

Yes, No*

Note

- When "Quick Start" is set to "Yes", the Player requires some time to turn off.

■ Auto Power Off

This sets the Player so that power is automatically shut off if playback is stopped for about 10 minutes.

Yes, No*

■ HDMI Control

This lets you set the Player to receive the control signal from the remote control of the TV compatible with the HDMI control function via the HDMI cable.

Yes, No*

Notes

- For details, refer to "Controlling the Blu-ray disc player using the HDMI control function" (page 18) and the operation manual of AV receiver and TV.
- If "Component" is selected in "Video Out Select", HDMI Control function is not available. Select "HDMI" if you want to use HDMI Control features.

■ Playback Setting

Parental Control

In some digital broadcasts and BD/DVD video discs, a control level for disc viewing is set depending on the age of the viewer. This lets you set the Parental Control depending on the disc content. The available Parental Control Levels are shown below.
The 4-digit password number needs to be entered before the Parental Control Levels and the Country Code are set. The Parental Control Levels and the Country Code cannot be set if a password has not been created or the password is not entered.

For DVD-VIDEO

8 and Off*: All DVD-video can be played.

1-7: Prohibits play of DVD-video with corresponding ratings recorded on them.

For BD-ROM

No Limit*: All BD-video can be played.

0-99 year(s): Prohibits play of BD-video with corresponding ratings recorded on them.

Country code

Sets the country code. Refer to the Country Code List (page 38) because the ratings differ according to the country.

Note

- Refer to "Example of the Setup Menu operation" on page 30 for details.

Disc Language

This lets you select the language for subtitles, audio and menus displayed on the screen.

Subtitle

Refer to the Language List. (page 38)

Audio

Refer to the Language List. (page 38)

Menu

Refer to the Language List and Language Code List. (page 38)

Angle Mark Display

This lets you turn the Angle Mark Display on or off when BD/DVD video recorded with multiple angles is played back. (The Angle Mark is displayed in the lower right screen.)

Yes, No*

Password Setting

This sets the password for setting or changing the Parental Control Level.

Yes: Enter the 4-digit number.

No: Cancels the password setting.

Notes

- When you forget the password, you can reset the current password using "System Reset" under "Settings". (page 34)
- You can also set the new password if desired.

BD Internet Access

This allows you to set access restriction to BD-LIVE contents.

Permit: Allow all BD-LIVE discs.

Limit*: Allow only discs with owner certification.

Prohibit: Prohibit all BD-LIVE discs.

Notes

- The available functions differ depending on the disc.
- Regarding playback method of BD-LIVE contents, etc., perform the operations in accordance with the instructions in the BD disc manual.
- To enjoy BD-LIVE functions, perform the broadband internet connection (page 14) and communication settings (pages 34–36).

■ Version

When you select "Version", the system software version is displayed.

■ System Reset

You can reset all settings to the factory presets.

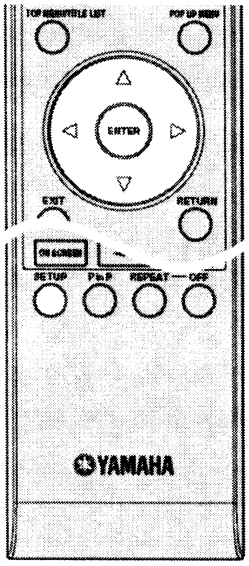
Reset, Not Reset

■ Communication Setup

This allows you to perform and/or change the communication setting. This setting is required to use BD-LIVE functions that connect to the internet.

Notes

- Make sure that the LAN cable is connected to this Player. (See page 14.)
- For manually performing the setting, the following information of the connected router or modem is required. Confirm the information prior to the setting.
  - IP address, netmask, gateway, DNS IP address
- Besides, if specifying a proxy server, the following information specified from your internet service provider is also required. Confirm the information prior to the setting.
  - IP address and port number of the proxy server



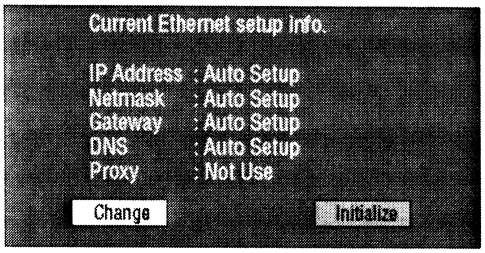
① Press **SETUP** to display the Setup Menu screen.

② Press △ / ▽ / ◁ / ▷ to select "Settings", then press **ENTER**.

③ Press △ / ▽ to select "Communication Setup", then press **ENTER**.

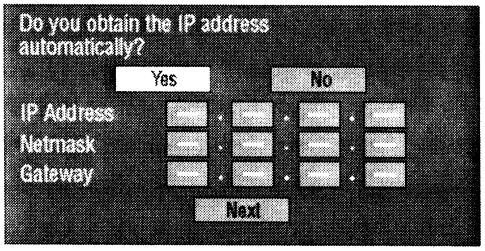
④ Select "Ethernet Setup (BD-LIVE)", then press **ENTER**.

⑤ Press ◁ / ▷ to select "Change", then press **ENTER**.



– For initializing the current setting, select "Initialize", then press **ENTER**.

⑥ For setting the IP address, press ◁ / ▷ to select "Yes" or "No", then press **ENTER**.



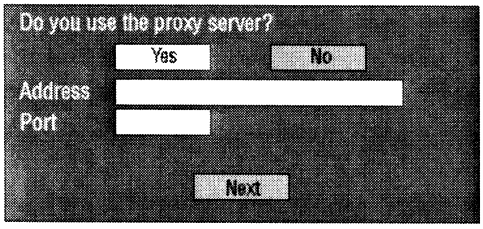
– If selecting "Yes": The IP address is automatically obtained.
– If selecting "No": The IP address, netmask and gateway are manually entered using the screen for inputting characters. (See page 36.)
Regarding each of the setup values, confirm the specifications of your broadband router.

⑦ Select "Next", then press **ENTER**.

⑧ For setting the DNS IP address, enter the primary and secondary IP addresses using the screen for inputting characters. (See page 36.)
Regarding each of the setup values, confirm the specifications of your broadband router.

⑨ Select "Next", then press **ENTER**.

⑩ For setting the proxy server, press ◁ / ▷ to select "Yes" or "No", then press **ENTER**.

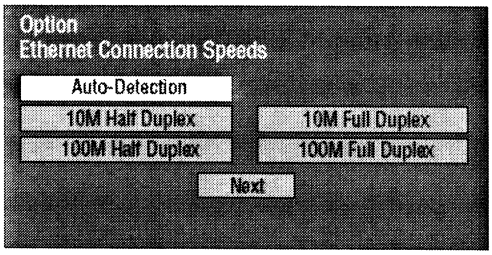


– If selecting "Yes": The IP address or proxy server name and port number for the proxy server specified from your internet service provider are entered using the screen for inputting characters. (See page 36.)
– If selecting "No": Go to the next step.

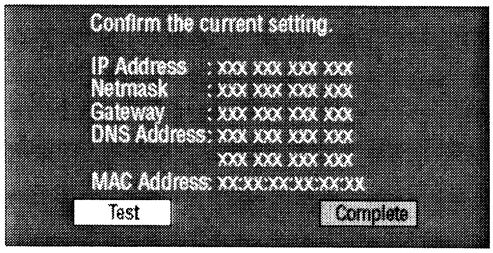
⑪ Select "Next", then press **ENTER**.

⑫ For the advanced setting (the setting of the Ethernet connection speeds), press ◁ / ▷ to select "Yes" or "No", then press **ENTER**.
– Normally select "No", then press **ENTER**.

– The Ethernet connection speeds can be set when you select "Yes", then press **ENTER**.
– As automatic detection is made (factory preset mode), this setting is not normally necessary. If a situation occurs in which the Ethernet connection fails, etc., change the setting and confirm if the Ethernet connection successfully works.
When the connection speed is set, select "Next", then press **ENTER**.



⑬ For testing the connection to the internet, after confirming the settings, press ◁ / ▷ to select "Test", then press **ENTER**.


Confirm the current setting.
IP Address : xxx xxx xxx xxx
Netmask : xxx xxx xxx xxx
Gateway : xxx xxx xxx xxx
DNS Address: xxx xxx xxx xxx
xxx xxx xxx xxx
MAC Address: xx:xx:xx:xx:xx:xx
Test
Complete

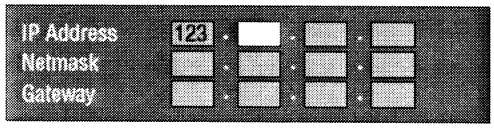
– As a result of the test, if the internet connection fails, enter the setup values manually.

⑭ Press ◁ / ▷ to select "Complete", then press **ENTER**.

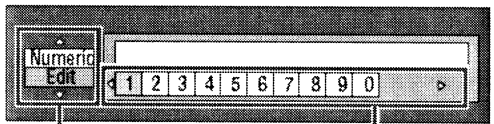
The operation procedure for inputting characters manually

Note

– Numeric characters such as IP address can be entered on the input screen either by selecting each of the characters in the "Numeric" mode or using the **Number** buttons on the remote control.



① Press **ENTER** at the boxes in which characters are to be entered, and the input screen will appear.



Selected by pressing △ / ▽

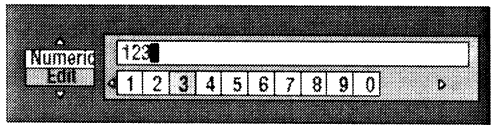
Selected by pressing ◁ / ▷

② Press △ / ▽ to select the desired input mode.
– When inputting the address of the proxy server; "1ABC" (Alphabet/numeric character) / "Sign" / "Edit"
– When inputting other values (IP address, etc.): "Numeric" / "Edit"

③ Press ◁ / ▷ to select a number/character, then press **ENTER**.

④ Repeat step 3 to display all of the desired characters/numbers in the input field.

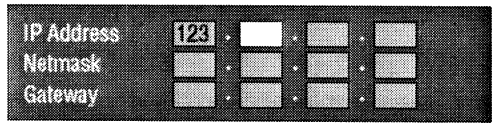
Example: The screen for inputting numeric characters



Note

– Press **RETURN** (Del.Char.) to delete a number/character you have input.
To change a number/character you have input, press **B** (Left) or **C** (Right) to select the number/character you want to change, and press **RETURN** (Del.Char.). Then, press ◁ / ▷ to select a new number/character you want to input, and press **ENTER**.

⑤ Press **D** (Complete) to fix the numbers which have been input.



⑥ Repeat step 1 to 5 to finish inputting all the required characters.

Input character list

!ABC (Alphabet/ numeric character)	Num. ABC DEF GHI JKL MON PQRS TUV WXYZ Spc.
	Num. 1 2 3 4 5 6 7 8 9 0
	ABC A B C a b c
	DEF D E F d e f
	GHI G H I g h i
	JKL J K L j k l
	MNO M N O m n o
	PQRS P Q R S p q r s
	TUV T U V t u v
	WXYZ W X Y Z w x y z
	Spc. (space)
Numeric	1 2 3 4 5 6 7 8 9 0
Sign	@ . , : ; _ - \ $ % ! ? & # + * = / | ~ " ' ^ ` ( ) < > [ ] { } Spc.
	@ . , : @ . , :
	; _ - \ : _ - \
	$ % ! ? $ % ! ?
	& # + * & # + *
	= / | ~ = / | ~
	" ' ^ ` " ' ^ `
	( ) < > ( ) < >
	[ ] { } [ ] { }
	Spc. (space)
Edit	Cancel Left Right Complete Del.Char

* The same operation as the colored buttons and **RETURN** can be performed by selecting each of the items and pressing **ENTER**. "Del.Char." stands for deleting characters.

Before using the USB memory device

CAUTION:

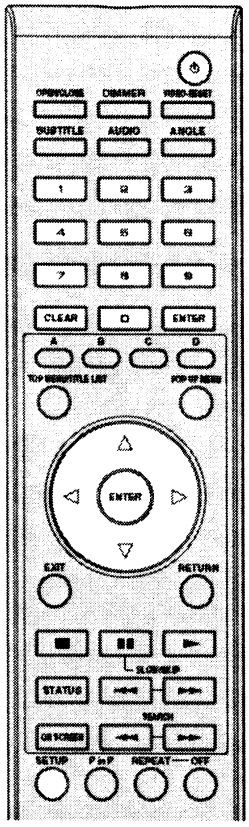
- Do not remove the USB memory device or unplug the power cable while the operations for "USB Memory Management" or "Software Update" are being performed.
- Do not use a USB extension cable when connecting a USB memory device to the USB BD STORAGE/SERVICE terminal of the Player. Using a USB extension cable may prevent the Player from performing correctly.

Note

- Yamaha cannot guarantee that all brands' USB memory devices will operate with this Player.

■ USB Memory Management

The following instructions explain how to delete data such as the Virtual Package data and the BD-LIVE data in a USB memory device.



① Insert the USB memory device into the USB BD STORAGE/SERVICE terminal on rear of this Player.

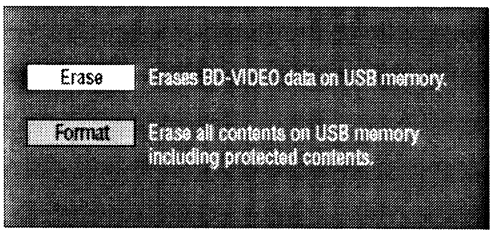
② Press **SETUP** to display the Setup Menu screen.

③ Press △ / ▽ / ◁ / ▷ to select "Settings", then press **ENTER**.

④ Press △ / ▽ to select "USB Memory Management", then press **ENTER**.
- "No USB Memory" appears when no USB memory is inserted.

⑤ Press △ / ▽, select "Erase" or "Format", then press **ENTER**.

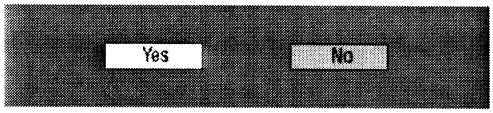
Erase: Deletes only BD-VIDEO data written on the USB memory device such as BD-LIVE data.
Format: Be aware that all data including BD-VIDEO data and software update data will be deleted.
If you want to delete only the unneeded software update data after the software is updated, delete the data on the USB memory device using a PC.



Note

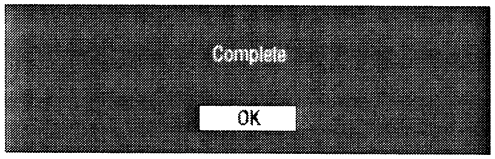
– Data which has been saved to the Player's internal memory (game score, etc.) will also be deleted.

⑥ Press ◁ / ▷, select "Yes", and press **ENTER**.



⑦ Start the process.

– The screen for the current operation will display.



⑧ Press **ENTER**.

■ Software Update

This function allows software updates by inserting a USB memory device with the update file into the USB BD STORAGE/SERVICE terminal on this Player. Refer to page 17 for details.

Country Code List

USA / CANADA / JAPAN / GERMANY / FRANCE / UK / ITALY / SPAIN / SWISS / SWEDEN / HOLLAND / NORWAY / DENMARK / FINLAND / BELGIUM / HONG KONG / SINGAPORE / THAILAND / MALAYSIA / INDONESIA / TAIWAN /PHILIPPINE / AUSTRALIA / RUSSIA / CHINA

Language List

English / Français / Deutsch / Italiano / Español / Japanese / Svenska / Nederlands

Language Code List

AA Afar / **AB** Abkhazian / **AF** Afrikaans / **AM** Ameharic / **AR** Arabic / **AS** Assamese / **AY** Aymara / **AZ** Azerbaijani / **BA** Bashkir / **BE** Byelorussian / **BG** Bulgarian / **BH** Bihari / **BI** Bislama / **BN** Bengali, Bangla / **BO** Tibetan / **BR** Breton / **CA** Catalan / **CO** Corsican / **CS** Czech / **CY** Welsh / **DA** Danish / **DE** German / **DZ** Bhutani / **EL** Greek / **EN** English / **EO** Esperanto / **ES** Spanish / **ET** Estonian / **EU** Basque / **FA** Persian / **FI** Finnish / **FJ** Fiji / **FO** Faroese / **FR** French / **FY** Frisian / **GA** Irish / **GD** Scots Gaelic / **GL** Galician / **GN** Guarani / **GU** Gujarati / **HA** Hausa / **HI** Hindi / **HR** Croatian / **HU** Hungarian / **HY** Armenian / **IA** Interlingua / **IE** Interlingue / **IK** Inupiak / **IN** Indonesian / **IS** Icelandic/ **IT** Italian / **IW** Hebrew / **JA** Japanese / **JI** Yiddish / **JW** Javanese / **KA** Georgian / **KK** Kazakh / **KL** Greenlandic / **KM** Cambodian / **KN** Kannada / **KO** Korean / **KS** Kashmiri / **KU** Kurdish / **KY** Kirghiz / **LA** Latin / **LN** Lingala / **LO** Laothian / **LT** Lithuanian / **LV** Latvian, Lettish / **MG** Malagasy / **MI** Maori / **MK** Macedonian / **ML** Malayalam / **MN** Mongolian / **MO** Moldavian / **MR** Marathi / **MS** Malay / **MT** Maltese / **MY** Burmese / **NA** Nauru / **NE** Nepali / **NL** Dutch / **NO** Norwegian / **OC** Occitan / **OM** Afan (Oromo) / **OR** Oriya / **PA** Panjabi / **PL** Polish / **PS** Pashto, Pushto / **PT** Portuguese/ **QU** Quechua / **RM** Rhaeto-Romance / **RN** Kirundi / **RO** Romanian / **RU** Russian / **RW** Kinyarwanda / **SA** Sanskrit / **SD** Sindhi / **SG** Sangho / **SH** Serbo-Croatian / **SI** Singhalese / **SK** Slovak / **SL** Slovenian / **SM** Samoan / **SN** Shona / **SO** Somali / **SQ** Albanian / **SR** Serbian / **SS** Siswat / **ST** Sesotho / **SU** Sundanese / **SV** Swedish / **SW** Swahili / **TA** Tamil / **TE** Telugu / **TG** Tajik / **TH** Thai / **TI** Tigrinya / **TK** Turkmen / **TL** Tagalog / **TN** Setswana / **TO** Tonga / **TR** Turkish / **TS** Tsonga / **TT** Tatar / **TW** Twi / **UK** Ukrainian / **UR** Urdu / **UZ** Uzbek / **VI** Vietnamese / **VO** Volapuk / **WO** Wolof / **XH** Xhosa / **YO** Yoruba / **ZH** Chinese / **ZU** Zulu

About the audio output formats

Settings on this Player			Audio Output Format from Each Audio Terminals			
Audio Out	**Secondary Audio**	**Output format (Audio Out)**	**HDMI Out**	**Optical/Coaxial Out**	**8ch discrete out**	**2ch mixed out**
HDMI Output	**On**	**Bitstream**	Cannot select this mode			
		PCM	Max 7.1ch PCM (48KHz) *1	2ch PCM (48KHz)	2ch	2ch
	Off	**Bitstream**	Max 7.1ch Bitstream (Max 192Kz)	2ch PCM (48KHz)	2ch	2ch
		PCM	Max 7.1ch PCM (Max 192KHz) *2	2ch PCM (48KHz)	2ch	2ch
Digital Output	**On**	**Bitstream**	2ch PCM (48KHz)	Max 5.1ch Bitstream (48KHz)	2ch	2ch
		PCM	2ch PCM (48KHz)	2ch PCM (48KHz)	2ch	2ch
	Off	**Bitstream**	2ch PCM (48KHz)	Max 5.1ch Bitstream (48KHz) *3	2ch	2ch
		PCM	2ch PCM (48KHz)	2ch PCM (48KHz) *3	2ch	2ch
7.1ch Audio Output	**On**	—	2ch PCM (48KHz)	2ch PCM (48KHz)	Max 7.1ch *1	2ch
	Off	—	2ch PCM (48KHz)	2ch PCM (48KHz)	Max 7.1ch	2ch
2ch Audio Output	**On**	—	2ch PCM (48KHz)	2ch PCM (48KHz)	2ch	2ch
	Off	—	2ch PCM (48KHz)	2ch PCM (48KHz)	2ch	2ch

*1 Max 5.1ch PCM in case of playing DTS audio stream (including DTS-HD).
*2 DTS-HD Master Audio with Multi channel 192kHz is output in "Multi channel 96kHz" format.
*3 96kHz signal is output when the playing content is recorded in 96kHz, and is not copy protected.
*4 MPEG Audio is output in 2ch PCM format.

Troubleshooting

Refer to the table below when this unit does not function properly. If the problem you are experiencing is not listed below or if the instruction below does not help, turn off this unit, disconnect the power cable, and contact the nearest authorized Yamaha dealer or service center.

■ Power

Problem	Possible causes and solutions
The Player power cannot be turned on.	– Is the power cable firmly plugged into the AC outlet? (Page 15) – When the power cable is plugged into an AC outlet, press and hold ⏻ on the Player until "RESET" appears on the front panel display. Then, turn on the power. (Page 16)
The Player power is turned off.	– Is "Auto Power Off" set to "Yes"? When "Auto Power Off" is set to "Yes", the power will be automatically turned off after 10 continuous minutes of inactivity (no playback). (Page 33)

■ Basic Operation

Problem	Possible causes and solutions
The remote control does not work.	– Use the remote control within its operating range. (Page 16) – Replace the batteries. (Page 16) – Check the ID settings for the main unit and the remote control. (Page 7.)
Cannot operate the Player.	– Are you operating the Player within the specified operating temperature range? (Page 43)

■ Disc Playback

Problem	Possible causes and solutions
The Player cannot play a disc.	– Take out the disc and clean it. (Page 4) – Make sure that the disc is loaded properly (aligned in disc tray and label-side up). (Page 4) – Make sure that region code on the disc matches that of this Player. (Page 2) – Allow any condensation in or near the Player to dry. (Page 4) – Check that the disc is recorded in the compatible TV system (PAL or NTSC). – The Player cannot play back video which was not recorded normally. (Page 3) – Proper playback may be impossible due to the state of the disc recording, a scratched, warped or dirty disc, the state of the pick-up, or compatibility issues between this Player and the disc being used. (Pages 3, 4) – When the recorded time of a disc is unusually short, playback may not be possible. – BD-RE/R discs recorded in a format other than BDMV cannot be played back. (Page 2)
The disc is automatically ejected after closing the disc tray.	– Make sure that the disc is loaded properly (aligned in disc tray and label-side up). (Page 20) – Take out the disc and clean it. (Page 4) – Make sure that region code on the disc matches that of this Player. (Page 2) – Make sure that the disc is playable. (Page 2)
Video stops.	– Has the Player been subjected to shock or impact? Are you using it in an unstable location? The Player will stop if it senses shock or vibration.
The Player makes a snapping sound when starting playback or loading a disc.	– The player may sometimes make a snapping sound when starting playback if it has not been operated in a while. These sounds are not malfunctions of the Player but are normal operating conditions.

■ Picture

Problem	Possible causes and solutions
No picture.	– Make sure that the cables are connected correctly. (Page 8) – Make sure that the connected TV or the AV receiver is set to the correct input. (Page 8) – Take out the disc and clean it. (Page 4) – Make sure that region code on the disc matches that of this Player. (Page 2) – There is no picture from the HDMI output. – Are the settings performed correctly? Please check the settings. (Page 30) – There is no picture from the component video output. – Are the settings performed correctly? Please check the settings. (Page 30)

Screen freezes and operation buttons do not work.	– Press ■, then restart playback. – Turn off the power and turn on the power again. – If the power is not turned off, perform a reset. (Page 41) – Is the disc damaged or dirty? Check the condition of the disc. (Page 4)
There is just audio with no video.	– Is the connection cable for video output connected properly? (Pages 9–11)
Video is not output with the desired resolution.	– Is "Video Out Select" set correctly? (page 31). – Is "Component Video Out" or "HDMI Video Out" set to the desired resolution? (Pages 30-31).
Widescreen video appears vertically stretched, or black bands appear at the top and bottom of the screen. **4:3 video appears horizontally stretched**	– Is "TV Aspect Ratio" set to match the connected TV? (Page 30) – If you are using a widescreen TV, is the "TV Aspect Ratio" set to "Wide"? (Page 30) – If you are using a 4:3 TV, is the "Video Out Select" set to "Component"? (Page 31)
Square noise (mosaic) appears on the screen.	– Blocks in images may be visible in scenes with rapid movement due to the characteristics of digital image compression technology.
The playback screen will be disturbed if DVD video is recorded to a VCR, or played back through a VCR.	– This Player complies with analog copy protection. Some discs contain a copy prohibiting signal. If you try to play back such discs through a VCR, or record to a VCR and play back the signal, the copy protection will prevent normal playback. (Pages 10–11)
Audio is not output, or images are not played back properly.	– The audio may not be output or the images may not be played back properly for some discs in which copyright-protected contents are recorded.

■ Sound

Problem	Possible causes and solutions
No sound, or sound is distorted.	– If the volume of the TV or amplifier is set to minimum, turn the volume up. – There is no sound during still mode, slow motion playback, fast forward and fast reverse. (Page 20) – Check that the audio cable is connected correctly. (Page 12) – Check that the cable plugs are clean. – Take out the disc and clean it. (Page 4) – Audio may not be output depending on the audio recording status, such as when audio other than an audio signal or non-standard audio is recorded for the audio content of the disc. (Page 3)
Left and right channels of audio are reversed, or sound comes out of only one side.	– Are left and right audio cables connected to the opposite terminal, or is one side disconnected? (Page 13)
Audio is not output, or images are not played back properly.	– The audio may not be output or the images may not be played back properly for some discs in which copyright-protected contents are recorded.
Cannot hear the desired audio type and/or number of channels.	– Refer to "Audio Out" setting (Page 31) and "About the audio output formats". (Page 38)

■ Network

Problem	Possible causes and solutions
Cannot connect to the Internet.	– Is the Network cable connected properly? – Is the wrong cable such as a modular cable used? Connect a Network cable to the NETWORK terminal. (Page 14) – Is the power for the connected equipment, such as broadband router or modem turned on? – Is the broadband router and/or modem properly connected? – Is the proper value(s) set in the network setting? Check "Communication Setup". (Pages 34–36)
Cannot download BD-LIVE contents.	– Is the LAN cable connected properly? – Is the USB memory device properly connected? Check that the USB memory device is connected to the USB BD STORAGE/SERVICE terminal of this Player. – Check if the BD disc supports BD-LIVE. – Check the setting for "BD Internet Access". (Page 33)

■ Other

Problem	Possible causes and solutions
The TV operates incorrectly.	– Some TVs with wireless remote control capability may operate incorrectly when using the remote control of this Player. Use such TVs away from this Player.
The Player heats up during use.	– When using this Player, the console cabinet may heat up depending on the usage environment. This is not a malfunction.

■ Messages Relating to BD disc and DVD disc

– The following messages appear on the TV screen in case the disc you tried to playback is not appropriate or the operation is not correct.

Error message	Possible Error	Possible Error
Cannot play.	– The disc cannot be played back with this Player.	– Check the disc, and load it correctly.
Incompatible disc.	– If you load a disc which cannot be played with this Player (i.e. a scratched disc), or if you load a disc upside down, this message will appear, and the disc tray will automatically pop out.	
	– Occurs if the loaded disc cannot be played because it is a non-standard disc or scratched, etc.	– Remove the disc.
Cannot operate.	– Occurs if an operation is incorrect.	
This USB memory is not formatted properly. Please format the memory in USB memory management.	– Occurs if there is a formatting error.	– Format the USB memory again.
	– Occurs if the USB memory is not formatted with FAT 32/16.	– Format the USB memory with your PC.
The Connected USB Memory cannot be used. It should be compliant with USB 2.0	– Occurs if USB memory not compliant with USB 2.0 High Speed (480Mbit/s) is used (i.e. USB 1.0/USB 1.1).	– Connect USB 2.0 High Speed (480Mbit/s) compliant USB memory.

To Reset this Player

If this Player receives strong interference from a source such as excessive static electricity, strong external noise, malfunction of power supply, or voltage caused by lightning during use or a wrong operation is sent to the Player, errors like the Player not accepting an operation may occur.

① Press and hold ⏻ on the Player until "RESET" appears on the front panel display when the Player does not operate properly even after the power has been turned off.

② Turn on the power.

Notes

– When a reset is performed while the power is on, the Player will turn off. Turn the power on again. At this point, it may take a few moments for the system processing to finish before the Player is ready for use.
– When the problem persists even after performing a reset, unplug the power cable and plug it in again. If this does not solve the problem, contact the nearest service center approved by Yamaha.

Keylock function

You can set the keylock to prevent accidental operations. Press and hold ■ and ▶▶/▶▶| on the front panel for more than 4 seconds while no disc is inserted in this Player and the disc tray is closed.

– Each time you perform this operation, the function is activated or deactivated.
– If you try to operate the Player while the keylock function is set, "Lock" blinks on the front panel display to indicate that the keylock function is set.

Glossary

AVCHD

AVCHD is a new format (standard) for high definition video cameras that can be used to record and play high-resolution HD images.

BD-J application

The BD-ROM format supports Java for interactive functions. "BD-J" offers content providers almost unlimited functionality when creating interactive BD-ROM titles.

BDMV (Page 2)

BDMV (Blu-ray Disc Movie, BD-MV) refers to one of the application formats used for BD-ROM which is one of the Blu-ray Disc specifications. BDMV is a recording format equivalent to DVD-video of the DVD specification.

Dolby Digital

A sound system developed by Dolby Laboratories Inc. that gives movie theater ambience to audio output when the product is connected to a Dolby Digital processor or amplifier.

Dolby Digital Plus

A sound system developed as an extension to Dolby Digital. This audio coding technology supports 7.1 multi-channel surround sound.

Dolby TrueHD

Dolby TrueHD is a lossless coding technology that supports up to 8 channels of multi-channel surround sound for the next generation optical discs. The reproduced sound is true to the original source bit-for-bit.

DTS

This is a digital sound system developed by DTS, Inc. for use in cinemas.

DTS-HD High Resolution Audio

DTS-HD High Resolution Audio is a new technology developed for the next generation high definition optical disc format.

DTS-HD Master Audio

DTS-HD Master Audio is a lossless audio compression technology developed for the next generation high definition optical disc format.

DTS-HD Master Audio | Essential

DTS-HD Master Audio | Essential is a lossless audio compression technology developed for the next generation high definition optical disc format.

DVD upscaling (page 20)

Upscaling (upconverting) refers to a function of various players and devices that enlarge the image size to fit the size of the screen of video equipments such as a TV.

HDMI (page 9)

HDMI (High-Definition Multimedia Interface) is an interface that supports both video and audio on a single digital connection. The HDMI connection carries standard to high definition video signals and multi-channel audio signals to AV components such as HDMI equipped TVs, in digital form without degradation.

Interlace format

Interlace format shows every other line of an image as a single "field" and is the standard method for displaying images on television. The even numbered field shows the even numbered lines of an image, and the odd numbered field shows the odd numbered lines of an image.

Letter Box (LB 4:3) (page 30)

A screen size with black bars on the top and bottom of the image to allow viewing of wide-screen (16:9) material on a connected 4:3 TV.

Linear PCM Sound

Linear PCM is a signal recording format used for Audio CDs and on some DVD and Blu-ray discs. The sound on Audio CDs is recorded at 44.1 kHz with 16 bits. (Sound is recorded between 48 kHz with 16 bits and 96 kHz with 24 bits on DVD video discs and between 48 kHz with 16 bits and 192 kHz with 24 bits on BD video discs.)

MPEG-2

MPEG-2 (Moving Picture Experts Group phase 2) is one of the video data compression schemes, which is adopted for DVD videos and digital broadcasts worldwide. Some Blu-ray Discs also use high bitrate MPEG-2.

Pan Scan (PS 4:3) (page 30)

A screen size that cuts off the sides of the image to allow viewing of wide-screen (16:9) material on a connected 4:3 TV.

Progressive format

Compared to the Interlace format that alternately shows every other line of an image (field) to create one frame, the Progressive format shows the entire image at once as a single frame. This means that while the Interlace format can show 30 frames/60 fields in one second, the Progressive format can show 60 frames in one second. The overall picture quality increases and still images, text, and horizontal lines appear sharper.

Subtitles (page 26)

These are the lines of text appearing at the bottom of the screen which translate or transcribe the dialog. They are recorded on many DVD and BD video discs.

Top menu (page 22)

In a BD/DVD video, this is the menu for selecting things like the chapter to be played back and the subtitle language. In some DVD videos, the top menu may be called the "Title Menu".

x.v.Color

x.v.Color reproduces a greater range of color than before, showing almost all of the colors that the human eye can detect. (Applicable for JPEG files only with this system)

Specifications

■ General

Power Supply
- [U.S.A. and Canada models] ..... AC 120 V, 60 Hz
- [South America model] ..... AC 110–120 V, 50/60 Hz
- [Australia model] ..... AC 240 V, 50 Hz
- [Europe and Russia models] ..... AC 230 V, 50 Hz
- [Asia model] ..... AC 220–240 V, 50/60 Hz

Power consumption (Normal) ..... 25 W
Power consumption (Standby) ..... 1 W
Dimensions (W x H x D) ..... 435 x 96 x 315.5 mm (17-1/8 x 3-3/4 x 12-1/2 in)
Weight ..... 4.3 kg (9.5 lbs)

■ Audio Performance

Audio output level (1 kHz, 0 dB, BD/DVD/CD-DA) ..... 2 ± 0.3 V
Signal to nose ratio (BD/DVD/CD-DA) ..... 115 dB or more
Dynamic range
- BD/DVD ..... 105 dB or more
- CD-DA ..... 100 dB or more

Harmonic distortion (1 kHz)
- BD/DVD ..... 0.0028 % or less
- CD-DA ..... 0.003 % or less

Frequency response
- BD/DVD ..... 2 Hz to 22 kHz (48 kHz Sampling), 2 Hz to 44 kHz (96 kHz Sampling)
- CD-DA ..... 2 Hz to 20 kHz

■ Input/Output

HDMI output
- [U.S.A., Canada, and South America models] ..... Type A Connector x 1
  480p/720p/1080i/1080p/1080p@24Hz, Deep Color, x.v. Color support
- [Australia, Europe and Russia models] ..... Type A Connector x 1
  480p/576p/720p/1080i/1080p/1080p@24Hz, Deep Color, x.v. Color support

Component video output ..... Y: 1 Vp-p (75 ohms)
PB, PR: 0.7 Vp-p (75 ohms)

S video output
- [U.S.A., Canada, and South America models] ..... Y: 1 Vp-p (75 ohms)
  C: 0.286 Vp-p (75 ohms)(NTSC)
- [Australia, Europe and Russia models] ..... Y: 1 Vp-p (75 ohms)
  C: 0.3 Vp-p (75 ohms)(PAL)

Video output ..... 1 Vp-p (75 ohms)
Digital output ..... Optical x 1, Coaxial x 1
Analog audio output ..... 7.1ch x 1, Mixed 2ch x 1
USB ..... Used for:
1) Playback BD-LIVE/BonusView contents
2) Firmware Update
Other output equipments ..... Remote IN/OUT x 1, Ethernet x 1 (for BD-LIVE)

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Contact: AV products division, YAMAHA CORPORATION,
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better. However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.
The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.
The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)
"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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    a) The modified work must itself be a software library.

    b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

    c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

    d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
    (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.
In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.
This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.
When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

    a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

    b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

    c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

    d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.
It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

    a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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> <signature of Ty Coon>, 1 April 1990
> Ty Coon, President of Vice

That's all there is to it!

About DirectFB

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.
We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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   A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

   The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

   "Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

   Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

      (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

   These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

   Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

   In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

   Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

   This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

   If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

   However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

   When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

   If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

   Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

   You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

   a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

   b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

   c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

   d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

   e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

   For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

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LASER Specification:

Class 1 LASER Product

Wave length: 782 nm (CDs)/662 nm (DVDs)/405 nm (BDs)

Laser power: No hazardous radiation is emitted with the safety protection

LASER SAFETY

This unit employs a laser. Due to possible eye injury, only a qualified service person should remove the cover or attempt to service this device.

DANGER

This unit emits visible laser radiation when open. Avoid direct eye exposure to beam. When this unit is plugged into the wall outlet, do not place your eyes close to the opening of the disc tray and other openings to look into inside.

Caractéristiques du LASER:

Produit LASER de Classe 1

Longueur d'onde: 782 nm (pour les CD)/662 nm (pour les DVD)/405 nm (pour les Blu-ray)

Puissance du laser: Le dispositif de sécurité empêche l'émission de toute radiation dangereuse.

CONSIGNES DE SÉCURITÉ POUR LE LASER

Cet appareil utilise un laser. En raison des risques de blessures aux yeux, seul un technicien qualifié est apte à ouvrir l'appareil et à effectuer des réparations.

DANGER

Cet appareil émet quand il est ouvert des radiations laser visibles. Évitez toute exposition directe des yeux au rayon laser. Quand cet appareil est branché au secteur, n'essayez jamais de regarder à l'intérieur à travers l'ouverture du tiroir ni de toute autre ouverture.

Especificaciones LÁSER:

Producto LÁSER de Clase 1

Longitud de onda: 782 nm (CD)/662 nm (DVD)/405 nm (BD)

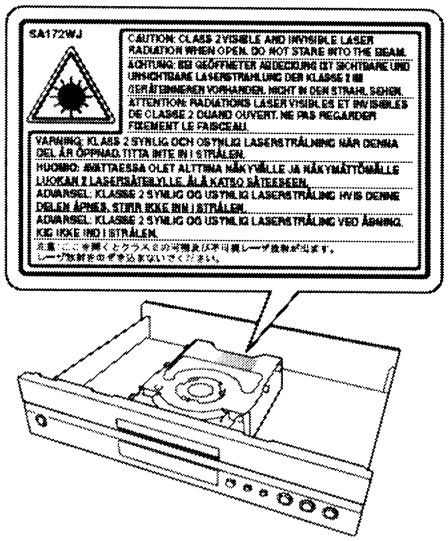
Potencia del láser: Con la protección de seguridad no se emiten radiaciones perjudiciales

SEGURIDAD DEL LÁSER

Esta unidad emplea un láser. Debido a las posibles lesiones oculares, únicamente una persona de mantenimiento cualificada debería retirar la tapa o intentar reparar este dispositivo.

PELIGRO

Esta unidad emite radiaciones de láser visible cuando está abierta. Evite la exposición directa de los ojos al rayo. Cuando esta unidad esté enchufada en la toma de corriente, no coloque sus ojos cerca de la apertura de la bandeja portadiscos y de otras aberturas para mirar en su interior.


SA172WJ
CAUTION: CLASS 2 VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO THE BEAM.
ACHTUNG: BEI GEÖFFNETER ABDECKUNG IST SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG DER KLASSE 2 IM GERÄTEINNEREN VORHANDEN. NICHT IN DEN STRAHL SEHEN.
ATTENTION: RADIATIONS LASER VISIBLES ET INVISIBLES DE CLASSE 2 OUAND OUVERT. NE PAS REGARDER FIXEMENT LE FAISCEAU.
VARNING: KLASS 2 SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. TITTA INTE IN I STRÅLEN.
HUOMIO: AVATTAESSA OLET ALTTIINA NÄKYVÄLLE JA NÄKYMÄTTÖMÄLLE LUOKAN 2 LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
ADVARSEL: KLASSE 2 SYNLIG OG USYNLIG LASERSTRÅLING HVIS DENNE DELEN ÅPNES. STIRR IKKE INN I STRÅLEN.
ADVARSEL: KLASSE 2 SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. KIG IKKE IND I STRÅLEN.

DANGER–VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM.

DANGER–ÉMISSION DE RAYONS LASER VISIBLES ET INVISIBLES QUAND L'APPAREIL EST OUVERT. ÉVITEZ TOUTE EXPOSITION DIRECTE AU RAYON LASER.

PELIGRO–RADIACIONES VISIBLES E INVISIBLES DE LÁSER CUANDO ESTÁ ABIERTA. EVITE LA EXPOSICIÓN DIRECTA AL RAYO.

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Français

L'appellation de certaines commandes du Menu réglage mentionnées dans le mode d'emploi ne correspond pas aux commandes de l'appareil. Les commandes de l'appareil sont reprises ci-après. Les appellations erronées figurent entre parenthèses. Veuillez en prendre note lors de la lecture des instructions en vue de commander l'appareil.

Menu de Configuration	Menu	Sous-menu	Élément
Réglages	**Réglages Audio Vidéo**	**Format D'Image TV** (Format d'image TV)	**Large 16:9***
			Normal 4:3
		Sortie Vidéo Yuv (Sortie vidéo composantes)	**1080i, 720p, 480p/576p, 480i/576i***
		Sortie Vidéo HDMI (Sortie vidéo HDMI)	**Auto*, 1080p, 1080i, 720p, 480p/576p**
		Sélection de la sortie vidéo	**HDMI***
			Composante (Component)
		Audio Secondaire (Audio secondaire)	**Marche, Arrêt***
		Sortie Audio (Sortie audio)	**Sortie HDMI***
			Sortie Numérique
			Sortie Audio 7.1ch (Sortie audio 7.1 canaux)
			Sortie Audio 2ch (Sortie audio 2 canaux)
		Contrôle De Plage (Contrôle de plage)	**Normal**
			Décalage
			Auto*
	Réglages d'enceintes		
	Démarrage Rapide		
	Extinction Auto		
	Control HDMI		
	Réglages De Lecture	**Censure Parentale** (Contrôle parental)	
		Langue Du Disque (Langue du disque)	
		Aff. Index Angle (Affichage de l'index d'angle)	
		Réglage Mot De Passe (Réglage du mot de passe)	**Oui**
			Non
		Accès À L'internet BD (Accès à l'Internet BD)	**Autoriser**
			Limite
			Interdire
	Réglage De Communication		
	Version		
	Gestion Clé USB		
	Mise À Jour Du Logiciel		
	Réinitialisation Sys		
Afficher Liste Titres			
Langue À L'écran			
Image			

Español

Algunos de los nombres del Menú de configuración que aparecen en el manual del usuario no se corresponden con lo que indica el producto. A continuación se muestra lo que indica el producto. Las partes entre paréntesis muestran los nombres erróneos que se emplean en el manual del usuario. Téngalo por favor en cuenta cuando siga las descripciones del manual de usuario para manipular el menú.

Menú de Configuración	Menú	Submenú	Elemento
Ajustes	**Ajustes De Audio Vídeo**	**Relación Aspecto TV** (Relación aspecto TV)	**Panor. 16:9***
			Normal 4:3
		Salida De Vídeo Componente (Salida de vídeo componente)	**1080i, 720p, 480p/576p, 480i/576i***
		Salida De Vídeo HDMI (Salida de vídeo HDMI)	**Auto*, 1080p, 1080i, 720p, 480p/576p**
		Selección Salida De Vídeo (Selección salida de vídeo)	**HDMI***
			Componente
		Audio Secundario (Audio secundario)	**Encender, Apagar***
		Salida De Audio (Salida de audio)	**Salida De HDMI*** (Salida HDMI*)
			Salida Digital (Salida digital)
			Salida Audio 7.1ch (Salida audio 7.1 canales)
			Salida Audio 2ch (Salida audio 2 canales)
		Control Gama Dinámica (Control de gama dinámica)	**Normal**
			Cambiar
			Auto*
	Configuración de los altavoces		
	Inicio Rápido		
	Apagado Automático		
	Control HDMI		
	Ajustes De La Reproducción	**Control Paterno** (Control paterno)	
		Idioma De Disco (Idioma del disco)	
		Visul. Marca Ángulo (Visualización de la marca de ángulo)	
		Ajuste De Contraseña (Establecimiento de la contraseña)	**Sí**
			No
		Acceso A BD Internet (Acceso a BD Internet)	**Permitir**
			Limite (Limitar)
			Prohibir
	Configuración De Comunicaciones		
	Versión		
	Manejo De Memoria USB		
	Actualiz. Software		
	Reinicio Sistema		
Muestra Lista Títulos (Muestra la lista de títulos)			
Idioma En La Pantalla (Idioma en pantalla)			
Imagen			

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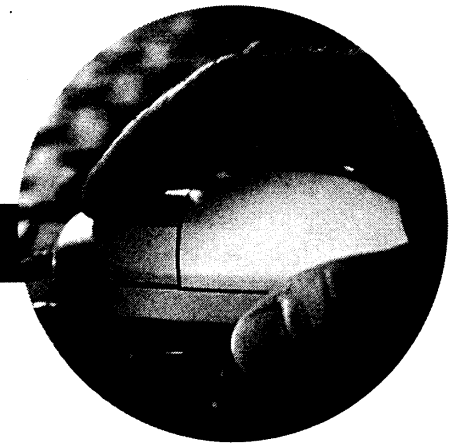

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* Récepteurs, amplificateurs, syntoniseurs, lecteurs de disque compact, projecteur de son numérique, ensembles de haut-parleurs et caissons de graves achetés séparémentr	2 années
* Lecteurs de DVD, enregistreurs de CD, lecteurs de disque Bluray, lecteurs de musique réseau et gestionnaires, radios-réveils, ensembles de haut-parleurs iPod, haut-parleurs multimédias, casques d'écoute, écouteurs, systèmes intégrés (récepteur ou amplificateur combiné à ou sur le même bâti qu'un lecteur de disque optique et haut-parleurs inclus), accessoires	1 année
* Cartouche a Lampe pour le Projecteur	180 jours

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   g) les fils d'interconnexion et les antennes FM;
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YAMAHA

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Product	Warranty Period from date of Original Purchase
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* DVD Players, CD Recorders, Blu-ray Disc Players, Network Music Players and Commanders, Clock Radios, iPod Speaker Systems, Powered Multimedia Speakers, Headphones, Earphones, Integrated Systems (Receiver or Amplifier combined or on same chassis with an Optical Disc Player along with any included Speakers), Accessories	1 year
* Lamp Cartridge for Projectors	180 days

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3. This warranty does not cover normal maintenance of the products and is subject to the products being properly maintained in accordance with the maintenance instructions contained in the Yamaha Owner's Manual.
4. This Warranty does not cover:
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   b) Shipping damage.
   c) Normal maintenance items such as: light bulbs, drive belts, dirty tape heads, lubrication.
   d) Burned voice coils on tweeter and midrange speakers (caused by amplifier chipping, i.e. operation of amplifier beyond rated wattage.)
   e) Burned voice coils on woofers (caused by overpowering the speakers, i.e. operation of amplifier at power levels beyond speaker capability).
   f) Performance checks.
   g) Interconnection cables and FM antennas.
   h) Blown fuses caused by improper operation.
5. This warranty does not cover products which have been altered or repaired other than by an authorized Yamaha Audio Service Centre, or products whose trademark name, model, or serial number have been altered or removed.
6. THIS WARRANTY COVERS ONLY NEW AND UNUSED MERCHANDISE SOLD BY AUTHORIZED YAMAHA AUDIO DEALERS IN CANADA, AND SUBJECTED TO NORMAL CONSUMER USE, BY THE ORIGINAL PURCHASER.
7. This warranty does not apply to Yamaha Canada Music Ltd. audio products sold in Saskatchewan, and to which statutory warranties contained in The Consumer Products Warranties Act, 1977 (Saskatchewan) are applicable.
8. This warranty is void where prohibited by law.

Factory Service Centres are located at:

135 Milner Avenue, Scarborough, Ontario, M1S 3R1.
(416) 298-1311

For the location of other service centres, contact any Yamaha Audio Dealer or one of the above.

A WARRANTY REGISTRATION CARD IS NOT REQUIRED.

PLEASE KEEP YOUR BILL OF SALE AS PROOF OF PURCHASE SHOULD WARRANTY REPAIRS BE REQUIRED.

YAMAHA

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YAMAHA Home Audio products are designed and manufactured to provide a high level of trouble-free performance. YAMAHA Electronics Corporation, USA, is proud of the experienced craftsmanship that goes into each and every YAMAHA Home Audio product. YAMAHA sells its Home Audio products only through a network of high quality, specially authorized dealers and is pleased to offer the following Limited Warranty, which applies only to products purchased from our authorized dealers. YAMAHA Home Audio products are backed by a nationwide network of high quality YAMAHA Authorized Service Centers, providing prompt, courteous, and professional service. We suggest that you read the Limited Warranty thoroughly, and invite you to contact your authorized YAMAHA dealer or the YAMAHA Electronics Corporation, USA, Service Department if you have any questions.

YAMAHA

LIMITED WARRANTY
HOME AUDIO PRODUCTS

Type of Product	Duration of Warranty (beginning from first consumer purchase)
A/V and Stereo Receivers, Processor and Integrated Amplifiers, Separate Amplifiers and Preamplifiers, Tuners, CD Players and Changers, HDD Players and Recorders, Powered Loudspeakers, Media Controllers and Speaker Systems purchased individually, as a pair, or as part of an Integrated or Packaged system.	2 years
Cassette Decks, BLU-RAY Disc Players, DVD Players and Changers, Integrated Systems (Receiver or Amplifier combined or on same chassis with CD or DVD Player), Desktop Audio Systems (i.e. TSX and PDX Series), Multimedia Speakers and Accessories.	1 year

What is Covered and what is Not Covered:

This warranty covers all defects in materials or workmanship in this product, but DOES NOT COVER the following:

(1) Damage, deterioration or malfunction resulting from:
   a. Accident, negligence, misuse, abuse, improper installation or operation or failure to follow instructions contained in your Owner's Manual.
   b. Any shipment of the product. (Claims must be presented to the carrier.)
   c. Repair or attempted repair by anyone other than YAMAHA or an authorized YAMAHA Service Center.

(2) Any unit which has been altered or on which the serial number has been defaced, modified or removed.

(3) Normal wear, battery replacement and any periodic maintenance.

(4) Any unit which has not been purchased from an authorized YAMAHA Home Audio dealer in the USA. If you are uncertain as to whether a dealer has been authorized by YAMAHA, please contact YAMAHA's Service Department.

(5) Any unit used for industrial or commercial purposes.

Who may enforce the warranty:

This warranty is enforceable only by the original purchaser.

What we will pay for and what you must pay for:

YAMAHA will repair or replace units covered by this warranty, without charge to the consumer for labor or materials. Some repair parts may be used or rebuilt replacements, that meet or exceed Yamaha specifications for new parts, in exchange for defective parts. YOU ARE RESPONSIBLE FOR ANY INSTALLATION OR REMOVAL CHARGES AND FOR ANY INITIAL SHIPPING CHARGES, if the product(s) must be shipped for warranty service. However, we will pay the return shipping charges to any destination within the USA if the repairs are covered by the warranty.

How you can get Warranty Service:

(1) If your YAMAHA product(s) require service, contact the authorized YAMAHA dealer and the dealer will advise you of the procedures to be followed. If this is not practical, contact YAMAHA at the address, telephone number or Internet URL shown below. We may request that you send the defective product(s) to a local authorized YAMAHA Service Center, to an authorized YAMAHA Regional Service Center, or authorize return of the defective product(s) to YAMAHA for repair.

(2) Product(s) shipped for service should be packed securely and must be accompanied by a detailed explanation of the problem(s) requiring service, as well as your sales receipt or other proof of date and place of purchase, as evidence of warranty coverage.

(3) Warranty registration is not required for warranty coverage.

Limitation of Implied Warranties:

ANY IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE LENGTH OF THIS WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

Exclusion of Damages:

YAMAHA'S LIABILITY FOR ANY DEFECTIVE PRODUCT IS LIMITED TO REPAIR OR REPLACEMENT OF THE PRODUCT, AT OUR OPTION. IF WE ELECT TO REPLACE THE PRODUCT, THE REPLACEMENT MAY BE A RECONDITIONED UNIT. YAMAHA SHALL NOT BE LIABLE FOR DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE, DAMAGE TO ANY OTHER EQUIPMENT OR OTHER ITEMS AT THE SITE OF USE, OR ANY OTHER DAMAGES WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS AND/OR DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Should you have any questions about service received or if you need assistance in locating an authorized YAMAHA Service Center, please contact:

YAMAHA

SERVICE DEPARTMENT

YAMAHA Electronics Corporation, USA

6660 Orangethorpe Avenue, Buena Park, California 90620-1345
Telephone: (800) 292-2982, 8 AM to 4 PM Pacific time
Internet URL: http://www.yamaha.com/yec/

Do not return any product to the above address; it is not a service location. YAMAHA products are backed by a nationwide network of high quality YAMAHA authorized Service Centers, providing prompt, courteous and professional service. **For referral to your nearest authorized YAMAHA Preferred Customer Service Center or authorized YAMAHA Regional Service Center call 1-800-4 YAMAHA.**